

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER QUALITY
2010 303(d) LIST OF IMPAIRED WATERS
SUBMITTED TO U.S. ENVIRONMENTAL PROTECTION AGENCY
PURSUANT TO CLEAN WATER ACT SECTION 303(d)**

INTRODUCTION

The Indiana Department of Environmental Management's (IDEM) Office of Water Quality has updated its List of Impaired Waters. Under the Section 305(b) of the Federal Clean Water Act (CWA), each state is required to assess its waters for compliance with the state's water quality standards (WQS), which are developed to protect the beneficial uses for which waters of the state are designated (fishing, swimming, and drinking, etc.). As required by Section 303(d) of the CWA, the state is required to periodically prepare and make public a list of those waters not meeting WQS using information from the assessments conducted under CWA Section 305(b).

Indiana's 2010 303(d) List of Impaired Waters is required to be submitted to United States Environmental Protection Agency (U.S. EPA) by April 1, 2010. For the 2010 cycle, IDEM requested an extension from U.S. EPA to provide more time to develop responses to comments received as a result of IDEM's decision to extend the public comment period. This decision was made in response to a request from the public for additional time to review and prepare comments on the draft 303(d) list and IDEM's Consolidated Assessment and Listing Methodology (CALM). While this decision necessarily delayed IDEM's submission, it was necessary to ensure sufficient time to adequately address the public's questions and concerns regarding these processes and allowed for a more robust "conversation" with the public and other interested stakeholders. Therefore, IDEM submitted this finalized 2010 303(d) List of Impaired Waters to U.S. EPA in October, 2010.

The list of impaired waters identifies the waterbody or waterbody reach that is impaired, the pollutant(s) not meeting WQS thus causing the impairment and a schedule for development of a Total Maximum Daily Load (TMDL). A TMDL evaluation is a process that quantifies the amount of a specific pollutant that a waterbody can assimilate and still meet water quality standards. What constitutes a pollutant is described in Section 502(6) of the CWA and includes materials such as sewage, chemical wastes, biological materials, and industrial, municipal, and agricultural waste. The definition also encompasses drinking water contaminants that are regulated under Section 1412 of the Safe Drinking Water Act.

TMDLs identify how much of the pollutant is coming from point sources and nonpoint sources and specify the amount of pollutant reduction necessary from each source in order to meet the applicable water quality criteria for that pollutant. TMDLs lay the groundwork for developing and implementing a plan to reduce the amount of the pollutant coming from each source. The public is invited to participate in the all TMDLs IDEM develops and is encouraged to participate in their implementation.

Request for Public Comments

Pursuant to IC 13-18-2-3, the 2010 draft list was published in the [*Indiana Register*](#) for a mandated 90-day public comment period and was also made available on IDEM's website at: <http://www.in.gov/idem/4680.htm>.

The original public comment period was scheduled to end on January 26, 2010. In response to requests for additional time in which to prepare comments, IDEM extended the public comment period to February 26, 2010, which provided an additional thirty one (31) days for the public to comment. The public was invited to review the list and offer comments and suggestions as to the specific waterbodies included. Any person having water quality data to support or refute the listing of a specific waterbody or to add a waterbody to the list was able to provide that information to IDEM during the public comment period. Mailed comments were directed to:

Janet Pittman
Rules Development Branch
Office of Legal Council, MC 65-46
Indiana Department of Environmental Management
100 North Senate Avenue
Indianapolis, IN 46204-2251

Public Comment Period Deadline

The public comment period for the 2010 303(d) list began on October 28, 2009, and ended on January 31, 2010. All comments postmarked, hand delivered or faxed on or before January 31, 2010, are summarized in this submission. This summary and IDEM's responses to public comments are included in Attachment E. Attachment F includes comments on Indiana's draft 303(d) provided by U.S. EPA Region 5 and IDEM's responses to them.

Public Meetings

IDEM presented the Draft 2010 303(d) List to Indiana's Water Pollution Control Board at its December 9, 2010 meeting held at 1:30 p.m. at the Indiana Government Center South building in Indianapolis, Indiana. This meeting was open to the public and provided the public an opportunity to discuss the list. In response to a subsequent request from the public, IDEM attended a public meeting on January 11, 2010 at 10:00 a.m. organized by the Northwest Indiana Regional Planning Commission (NIRPC) and held at the NIRPC office in Portage, Indiana.

DEVELOPMENT OF INDIANA'S 303(d) LIST OF IMPAIRED WATERS

For the development of the 2010 303(d) list, IDEM has followed, to the degree possible, the 305(b) assessment and reporting and 303(d) listing methods outlined in the U.S. EPA's *Guidance for 2006 Assessment, Listing and Reporting Requirements Pursuant to Sections 303(d), 305(b) and 314 of the Clean Water Act* (U.S. EPA, 2005) and the additional guidance provided in the U.S. EPA memorandum *Information Concerning 2010 Clean Water Act Sections 303(d), 305(b), and 314 Integrated Reporting and Listing Decisions* (U.S. EPA, 2009).

U.S. EPA's guidance encourages states to develop a comprehensive listing of all monitored and assessed water bodies in the state based on the state's 305(b) assessment and 303(d) listing methodology. This format calls for the development of two lists:

- Indiana's Consolidated List contains assessment information for all waters of the state, which is developed to fulfill CWA Section 305(b) requirements.
- The 303(d) List of Impaired Waters is a subset of the Consolidated List and identifies only those waters that are impaired and for which a TMDL is required.

The state's Consolidated List (Categories 1-5) is provided in its entirety in another report: the 2010 *Indiana Integrated Water Monitoring and Assessment Report*. IDEM's *Consolidated Assessment and Listing Methodology* (CALM), which includes a discussion of U.S. EPA's policy regarding the delisting of impairments, is provided in Attachment 2.

This document provides Indiana's finalized 303(d) List of Impaired Waters (Category 5) and describes the changes made to the 303(d) list approved by U.S. EPA in 2008. This includes changes proposed with the 2010 draft 303(d) list and changes that were made after its publication on October 28, 2009. With regard to changes made after the draft list was published, it is important to note that any proposed additions to the list that were not subsequently incorporated into the finalized 303(d) list for the 2010 cycle do not represent delistings as defined by U.S. EPA (pursuant to 40 C.F.R. 130.7(b)(6)(iv)) because the term "delisting" pertains only to impairments that appear on an approved 303(d) list. Changes made after the draft list is published are typically the result of information received through the public comment period and or IDEM's ongoing review of the proposed listings to ensure their consistency with IDEM and U.S. EPA policy.

IDEM's approach to TMDL development in the long term along with the IDEM's schedule for TMDL development over the next two years is also provided with this report. Category 4 impairments do not require a TMDL and as such, are not included on Indiana's 303(d) list. A discussion of those waterbody impairments placed in Category 4 of Indiana's Consolidated List is also included in this report to provide the most comprehensive picture possible regarding impairment of Indiana waters and to facilitate tracking of all known impairments.

The 303(d) list was developed using the 305(b) Assessment Database (ADB), which stores all of IDEM's water quality assessment information. Interpretation of the data and listing decisions take into account U.S. EPA guidance and IDEM's CALM, which is provided in Attachment B of this document. In developing the Consolidated List, each waterbody assessment unit (AU), which may consist of an entire waterbody or part of a larger waterbody, is placed into one or more of five (5) categories depending on the degree to which it supports its designated uses as determined by IDEM's assessment process. A detailed explanation of the five (5) categories is provided in Indiana's 2010 CALM. The following is a summary of the five (5) categories of the Consolidated List:

- | | |
|-------------------|--|
| Category 1 | All designated uses are supported and no use is threatened¹. |
| Category 2 | Available data and/or information indicate that some, but not all of the designated uses are supported. |
| Category 3 | There is insufficient available data and/or information to make a use support determination. |
| Category 4 | Available data and/or information indicate that at least one designated use is impaired or is threatened, but a TMDL is not needed. |

¹EPA recommends that states consider as threatened those waters that are currently attaining WQS, but are predicted

- A. A TMDL has been completed that is expected to result in attainment of all applicable WQS and has been approved by U.S. EPA.
- B. Other pollution control requirements are reasonably expected to result in the attainment of the WQS in a reasonable period of time.
- C. The impairment is not caused by a pollutant.

Category 5

Available data and/or information indicate that at least one designated use is not supported impaired or is threatened, and a TMDL is needed.

- A. The waterbody AU is impaired or threatened for one or more designated uses by a pollutant(s) and require a TMDL.
- B. The waterbody AU is impaired due to the presence of mercury and/or PCBs in the edible tissue of fish collected from them at levels exceeding Indiana's human health criteria for these contaminants.

Information Used to Develop the 2010 303(d) List of Impaired Waters

IDEM data used to develop the 303(d) list was collected in accordance with IDEM's Surface Water Quality Monitoring Strategy (SWQMS). The SWQMS describes a five-year basin rotation approach to monitoring for CWA purposes. Using this strategy, one (1) to two (2) basins (approximately 20% of the state) are monitored each year providing a comprehensive statewide data set for assessment purposes every five (5) years. IDEM draws from the following monitoring programs for data to use in making the use support determinations required under CWA Section 305(b) assessments and subsequent CWA Section 303(d) listing decisions:

- Fixed Station Monitoring Program (water chemistry);
- Probabilistic Monitoring Program (fish community index of biotic integrity (IBI), benthic aquatic macroinvertebrate community index of biotic integrity (mIBI), water chemistry, nutrients/algal biomass, *Escherichia coli* sampling, and habitat evaluations (i.e. QHEI);
- Source Identification Program (water chemistry);
- Stressor Identification Program (fish community IBI, water chemistry, habitat);
- Fish Tissue Contaminant Program (fish tissue chemistry);
- Lakes Monitoring Program (water chemistry, nutrients, algae, secchi depth);
- Special Studies Program for National Pollutant Discharge Elimination System (NPDES) support; total maximum daily load (TMDL) development; targeted fish tissue and sediment information, etc.).

Indiana's SWQMS and fact sheets with detailed descriptions of the monitoring programs are available on the IDEM Web site at: <http://www.in.gov/idem/5512.htm>.

IDEM's Use of External Data

Section 303(d) of the CWA requires that states consider all readily available data sources in the preparation of their 303(d) lists and 305(b) assessment process. In addition to the water quality data collected by its staff, IDEM also has cooperative agreements with the United States Geological Survey (USGS) to collect water quality data at the same sites sampled by IDEM to

provide data for additional parameters not sampled by IDEM. The data collected by the USGS through this partnership were reviewed as part of IDEM's rotating basin assessments for the 2010 cycle.

Most of the data IDEM uses to make its lakes assessments, which include CWA Section 314 assessments of trends and trophic condition of Indiana lakes and CWA Section 305(b) designated use assessments comes from the Indiana Clean Lakes Program (CLP). The CLP is administered by the Indiana University School of Public and Environmental Affairs (IU SPEA) with funding through IDEM's NPS program.

IDEM also reviews data generated and submitted by other external parties, which is obtained in three different ways:

- Provided to IDEM through 319 and 205(j) grant agreements;
- Provided to IDEM through the TMDL development process;
- Provided to IDEM in response to 305(b)/303(d) solicitations.

Although these data are collected by organizations external to IDEM, most of these data sets are submitted to IDEM and housed internally making them easily obtainable through program staff within IDEM. All data received are reviewed for usability in accordance with IDEM's Assessment Branch, Quality Assurance Project Plan (QAPP).

In 2006, IDEM began working to develop a more formal process for soliciting and reviewing water quality data from external organizations for potential use in its 305(b)/303(d) processes. Since that time, IDEM has conducted two formal solicitations, one in 2007 and 2009, both of which resulted in a large number of data sets. In addition to a great deal of new water quality data, these solicitations provided good information to help IDEM develop its External Data Framework. The External Data Framework, which is anticipated to be ready for full implementation in time for the 2012 cycle, will provide the guidelines and technical assistance necessary to help organizations collecting water quality data throughout Indiana who desire the opportunity to become more involved with IDEM in working toward our shared goals of protecting and restoring Indiana's water resources.

The organizations and individuals that submitted data to IDEM in response to the 305(b)/303(d) solicitations in 2007 and 2009 are shown in Table 1. Note that this table does not include those data sets required to be submitted to IDEM in fulfillment of 319 and 205(j) grant project requirement or those submitted through the TMDL development process. IDEM is currently reviewing grant-funded and TMDL data sets to identify any that may meet the data quality requirements for use in 305(b) and 303(d) decision making processes.

IDEM has completed its review of the data sets submitted by external organizations in response to the 305(b)/303(d) solicitations to determine their usability in 305(b) assessments and 303(d) listing decisions. The external data sets shown in Table 2 meet the necessary data quality requirements as outlined in IDEM's Assessment Branch QAPP for 305(b) assessment purposes and are currently being used to make designated use assessments. It was IDEM's original goal to incorporate these assessments results into the 2010 Integrated Report and 303(d) listing. However, once the data quality review was complete and usable data sets identified, organizing the data in order to facilitate the assessment process proved to be much more time consuming than anticipated. This was because the data were submitted in a variety of formats and geospatial coordinate systems. It should be noted that because IDEM's solicitation processes were (and still are) under development at the time these preliminary solicitations were made and because it was IDEM's desire to throw out as large a "net" as possible, IDEM's approach was not prescriptive with regard to the format in which external organizations submitted their data. This approach

was indeed overwhelmingly successful based on the number of data sets received from external parties, and IDEM continues to receive additional data for review. As a result, IDEM's review of new data received and the assessment results based on the data received by the parties shown in Table 1 are ongoing and will instead be used to develop IDEM's 2012 Integrated Report and 303(d) List of Impaired Waters.

Table 1: External data sets received in response to IDEM's 305(b)/303(d) solicitations in 2007 and 2009.

SOURCE
AMERICAN WATER COMPANY
ANCILLA COLLEGE
CITY OF ANDERSON
CITY OF ANGOLA AND TRINE UNIVERSITY
CITY OF DECATUR
CITY OF ELKHART
CITY OF INDIANAPOLIS
CITY OF KOKOMO
CITY OF LAFAYETTE
CITY OF PERU
CITY OF RICHMOND
CITY OF SEYMOUR
CITY OF SHELBYVILLE
CITY OF SOUTH BEND
CITY OF VALPARAISO
CITY OF ELKHART
EMILY TALLO AND SAVE MAUMEE GRASSROOTS ORGANIZATION
HAMILTON COUNTY HEALTH DEPARTMENT
HOWARD COUNTY HEALTH DEPARTMENT
JOHNSON COUNTY HEALTH DEPARTMENT
MADISON COUNTY MS4
MARION COUNTY HEALTH DEPARTMENT
MICHIGAN CITY
MONROE COUNTY PARKS AND RECREATION
CITY OF MUNCIE
SARAH SKELTON AND LAKE OF THE WOODS PROPERTY OWNER'S ASSOCIATION
ST. JOSEPH WATERSHED AND THE NATURE CONSERVANCY
STEUBEN COUNTY LAKES COUNCIL
TOWN OF BROWNSBURG
TOWN OF FORTVILLE

SOURCE
TOWN OF MCCORDSVILLE
TOWN OF SPEEDWAY
WHITE COUNTY DEPARTMENT OF HEALTH

Table 2: External data sets determined by IDEM to meet the necessary data quality requirements for 305(b) assessment and 303(d) listing purposes.

SOURCE	TYPE OF ASSESSMENT
AMERICAN WATER COMPANY	DRINKING WATER USE SUPPORT
CITY OF ELKHART	AQUATIC LIFE USE SUPPORT; FISHABLE USE SUPPORT
CITY OF INDIANAPOLIS	RECREATIONAL USE SUPPORT; DRINKING WATER USE SUPPORT; AQUATIC LIFE USE SUPPORT
CITY OF MUNCIE	RECREATIONAL USE SUPPORT; DRINKING WATER USE SUPPORT; AQUATIC LIFE USE SUPPORT
CITY OF SOUTH BEND	RECREATIONAL USE SUPPORT
CITY OF VALPARAISO	RECREATIONAL USE SUPPORT; DRINKING WATER USE SUPPORT; AQUATIC LIFE USE SUPPORT
MARION COUNTY HEALTH DEPARTMENT	RECREATIONAL USE SUPPORT; DRINKING WATER USE SUPPORT; AQUATIC LIFE USE SUPPORT

Organization of Indiana's 303(d) List

In order to facilitate review by the public and U.S. EPA, the tables that appeared in the Notice of Comment Period for the draft 2010 list have been moved to Attachment A of this report. The tables in Attachment A reflect all the combined changes to the 2008 303(d), whether they were made before and after the draft list was published, while the tables included in the body of this report reflect only the changes that have occurred since the draft list was published. Attachment Tables A13 and A14 contain Categories 5A and 5B of Indiana's Consolidated Listing, respectively, which together comprise Indiana's 2010 303(d) List of impaired Waters.

Each lake, stream or reach of stream in IDEM's Assessment Database (ADB), which stores water quality assessment information for CWA 305(b) reporting and 303(d) listing purposes, is assigned a unique assessment unit ID (AUID). The sizes of AU in the ADB vary based on a number of factors. Given this, a single AU may or may not represent the entire river or stream to which it is associated. IDEM's methods for defining representative AU are discussed in detail in the CALM.

On the 303(d) list and the tables included with this submission, each impairment is listed individually in order to achieve consistency in how U.S. EPA tracks TMDL development and to facilitate more effective planning by IDEM. Therefore, a single AU may appear on the 303(d) list or other tables for one (1) or more impairments.

WATERBODY ASSESSMENT UNITS AND INDIANA'S REACH INDEX

To facilitate the management of water quality assessment information, IDEM maintains the ADB, which contains records for all waterbodies in the state that are visible at a map scale of 1:100,000 and now, for many that are visible at a map scale of 1:24K (see the following discussion regarding changes in segmentation). For the purposes of assessment, each waterbody

is assigned a unique assessment unit ID (AUID) to which all assessment information for that waterbody is associated. This assessment information is stored in the ADB.

Lakes are assigned a single AUID while a stream may consist of one or more AUIDs. With regard to flowing waters, AU sizes vary widely and a single segment may or may not represent the entire river or stream to which it is associated.

The geographical extent and location of each AU is defined for mapping purposes through a process called reach indexing. Reach indexing is accomplished with the Reach Indexing Tool (RIT). The RIT is a software tool developed by U.S. EPA that works with geographical information systems (GIS) applications to “key” the AUs defined by IDEM to the National Hydrography Dataset (NHD). The NHD is a comprehensive set of digital spatial data (a digital map) representing the surface water of the United States using common features such as lakes, ponds, streams, rivers, and canals. This “key” is called the Reach Index.

IDEM used the RIT with the medium resolution (1:100K map scale) NHD to create its first statewide Reach Index in 2002. Indiana’s Reach Index facilitates mapping of Indiana’s 305(b) assessments and 303(d) listings in GIS applications and incorporation of this information into IDEM’s ADB and U.S. EPA’s national databases.

In these databases, Indiana’s lakes and reservoirs, including Lake Michigan, are assigned a single AUID with sizes reported in acres. The Lake Michigan shoreline reaches bordering Indiana are divided and assigned AUIDs in accordance with the eight (8) digit HUC in which they are located and are reported in miles. Rivers and streams are assigned AUID in accordance with the twelve (12) or fourteen (14) digit HUC in which they are located and are also reported in miles. For large rivers with more than 1,000 square miles of drainage area, the AUIDs for mainstem nonwadeable reaches within their twelve (12) to fourteen (14) digit HUCs are distinguished from those smaller, wadeable streams so that issues such as sampling techniques, which might bias results, can be considered within a class of streams. With regard to Indiana’s flowing waters, AU sizes vary widely and a single segment may or may not represent the entire river or stream to which it is associated.

Changes in Segmentation and Their Effect on Indiana’s 303(d) List

For the 2006 cycle, IDEM developed an administrative process for splitting AU into smaller units to allow more accurate application of assessment data. To date, this process has been used only for flowing waters and was employed through the 2008 assessment and listing cycle.

In 2007, IDEM began a project to update its Reach Index to include a number of waterbodies that could not be indexed due to the spatial resolution of the NHD at the time the index was developed. At the time Indiana’s Reach Index was created, the NHD was only available in 1:100,000 scale. Given this, a number of the state’s first and second order streams and lakes that do not appear at this scale could not be indexed and are therefore not mappable using the current Reach Index.

Today, the NHD is available in a 1:24,000 map scale for the entire state of Indiana. In order to facilitate more accurate mapping of these and future assessments, Once IDEM completes its revision of the Reach Index, all new assessment units identified must then be incorporated into IDEM’s ADB for assessment purposes.

At this time, it is anticipated that IDEM’s high resolution Reach Index will be completed prior to the 2010 integrated report cycle. In the meantime, IDEM has prioritized its high

resolution indexing work to stay ahead of the IDEM's monitoring and assessment schedule, focusing indexing efforts in those basins next in line for assessments.

In order to expedite this work, IDEM implemented a "moratorium" on individual segmentation changes for the 2010 cycle and has reallocated staff resources to the work of reach indexing at high resolution instead. As a result, individual resegmentations are now done on a very limited basis when needed to support National Pollutant Discharge Elimination System (NPDES) permit development or other OWQ program needs. The rationale for IDEM's decision to focus its effort instead to revising the Indiana Reach Index using the high resolution NHD along with a detailed discussion of high resolution indexing process is provided in IDEM's CALM (Attachment 2). This decision better supports IDEM's 305(b) assessment and 303(d) listing processes and TMDL development than resegmentation on a case-by-case basis, and will accomplish the following:

- Reduce the effort required to track segmentation changes, and;
- Result in a statewide reach index with assessment units that allow more thorough and representative water quality assessments

At this time, it is anticipated that IDEM will complete its high resolution Reach Index prior to the 2012 integrated report cycle. In the meantime, IDEM has prioritized its high resolution indexing work to stay ahead of TMDL development, focusing indexing efforts in those watersheds (at the eight (8) digit HUC scale) in which one (1) or more TMDLs will be developed for the next 303(d) listing cycle. Once Indiana's high resolution reach index is completed, the need to split segments using the segmentation process will be virtually eliminated.

Segmentation Tracking

As in previous cycles, any change in segmentation, whether done on a case-by-case basis or for the purposes of incorporating high resolution NHD data, must be accurately tracked so that 305(b) assessment and 303(d) listing information associated with the original AU is not lost. To this end, IDEM has refined its original methods for tracking segmentation changes in order to deal with the complexities associated with tracking changes as a result of high resolution indexing and to track resulting changes to the 303(d) list.

Per U.S. EPA's request, IDEM still retires the original AUID for any AU that has been reindexed. IDEM also uses the same reassessment process to evaluate existing assessments and listing information on each AU reindexed to ensure that no valuable information is lost and that assessment information is appropriately applied to the new AU. The resulting segmentation tracking table is now more complex. However, it still contains all the informational elements provided in previous cycles, and its format facilitates searching and sorting, features that earlier segmentation tracking tables lacked.

Accurate segmentation tracking is also important to TMDL development and approval, which is why IDEM prioritizes its indexing efforts to stay ahead of TMDL development. Any time IDEM completes resegmentation and reassessment of a watershed after a TMDL has been approved for one or more reaches in that watershed, IDEM must then submit a revised TMDL to U.S. EPA for approval. Given this, the administrative burden of segmentation tracking with regard to TMDL are minimized to the extent that IDEM can complete its high resolution indexing for a basin prior to TMDL development in that basin.

U.S. EPA Policy Regarding 303(d) Listing Impairments on Waters that have been Resegmented

In keeping with federal policy regarding the removal of impairments from the 303(d) list, IDEM must be able to demonstrate “good cause” for delisting. The appropriate conditions for delisting are described in IDEM’s CALM (Attachment 2). These rules for delisting do not specifically address the issue of resegmentation. However, the same policy applies.

IDEM does not delist impairments solely on the basis of resegmentation. Rather, for each AU re-indexed, IDEM conducts a reassessment to evaluate any existing information in the ADB for all designated uses assessed to ensure that no valuable information is lost and that assessment information is appropriately applied to the resulting new AU.

The reassessment process, which is described in greater detail in IDEM’s CALM (Attachment 2), can be very time consuming and is conducted as time allows. Preferably, reassessments are completed prior to incorporating the new AUID resulting from resegmentation into the ADB. However, if the reassessment cannot be accomplished prior to ADB data entry, all information from the original AU is carried over to the new AUs resulting from resegmentation and any conflicting assessment information is noted for later resolution ensuring that no valuable assessment information is lost.

Likewise, any impairment information carried over in the ADB must also be added to the 303(d) list accordingly until such time as IDEM can complete the necessary reassessment to determine their geographic extent relative to the new AUs.

As noted above, IDEM’s resegmentation work is generally prioritized to support TMDL development in order to reduce the administrative effort required to track segmentation changes to the 303(d) list. Any time IDEM completes resegmentation and reassessment of a watershed after a TMDL has been approved for one or more reaches in that watershed, IDEM must notify U.S. EPA of these changes:

- In some cases, no new impairments are identified as a result of the resegmentation and reassessment, and the only changes to the approved TMDL are the AUIDs and their names. In these cases, the information needed to track these changes and to ensure that the loading information in the original TMDL is correctly applied to the new AUIDs is provided to U.S. EPA in IDEM’s Integrated Report submission each cycle in the discussion regarding the status of Category 4 waters. U.S. EPA approval of these changes is not required.
- In cases where new impairments are identified as a result of the resegmentation and reassessment, IDEM may revise the TMDL if the necessary data are available to do develop loads for these new impairments. In these cases, the revised TMDL must be submitted to U.S. EPA for approval. As with any other impairment whose TMDL is pending U.S. EPA approval, any new impairments identified through the resegmentation and reassessment process and included in the revised TMDL must be placed in Category 5 until approval is obtained.

Assessment Units Retired as a Result of Resegmentation

All AUID that have been retired due to segmentation changes during the 2010 cycle are identified in Attachment 1 (Table A1). Changes made based on resegmentations after the draft 303(d) list was published are discussed in more detail below. All previously identified impairments removed from Categories 5 based on resegmentation are shown in Attachment 1 (Table A3). This table does not include previously identified impairments on resegmented AUID that were delisted for other reasons, such as changes in water quality standards, TMDL approval,

etc. These impairments are accounted for in other tables provided in this submission. All impairments delisted as a result of resegmentation only were added back to Category 5 pending reassessment and any newly identified impairments resulting from reassessments completed for resegmented reaches are identified in Attachment 1 (Table A7). A separate segmentation tracking table is provided in Attachment 1 (Table A2) to facilitate the tracking of previously identified impairments through the resegmentation process.

Additional Assessment Units Retired as a result of IDEM's Resegmentation and Reassessment of the Ohio River Completed after the Draft 303(d) was Published

IDEM collaborates with the Ohio River Valley Water Sanitation Commission (ORSANCO) to conduct water quality assessments of the Ohio River reaches that border Indiana. ORSANCO is an interstate water pollution control agency for the Ohio River established through a compact agreement between member states and approved by Congress. Under the terms of the compact, member states cooperate in the control of water pollution in the Ohio River Basin.

ORSANCO monitors the Ohio River on behalf of the compact states under CWA Section 305(b), produces a water quality assessment for report of its water quality condition every two years. Although this report identifies water quality issues on the Ohio River, unlike its compact states, ORSANCO is not required to develop a 303(d) List of Impaired Waters. Identifying Ohio River impairments on a 303(d) list for the purposes of TMDL development is the responsibility of each individual state.

For the purposes of assessment, ORSANCO divides the Ohio River into twenty one (21) "pools" defined by the location of navigational dams and their associated mile points along the river. The reach of the Ohio River that borders Indiana begins at mile point 491.1 and ends at mile point 848. ORSANCO assessments for the following Ohio River pools were incorporated into Indiana's finalized 2010 303(d) list:

- Meldahl-Markland Pool (mile points 436.2-531.5; beginning at mile point 491.1), which is bounded by the Meldahl Lock and Dam on the upstream end and the Markland Locks and Dam on the downstream end;
- Markland-McAlpine Pool (mile points 531.5-604.4), which is bounded by the Markland Locks and Dam on the upstream end and the McAlpine Locks and Dam on the downstream end;
- McAlpine-Cannelton Pool (mile points 604.4-720.7), which is bounded by the McAlpine Locks and Dam on the upstream end and the Cannelton Locks and Dam on the downstream end;
- Cannelton-Newburgh Pool (mile points 720.7-776.1), which is bounded by the Cannelton Locks and Dam on the upstream end and the Newburgh Locks and Dam on the downstream end;
- Newburgh-John T. Myers Pool (mile points 776.1-846.0), which is bounded by the Newburgh Locks and Dam on the upstream end and the John T. Myers Locks and Dam (formerly known as the Uniontown Locks and Dam) on the downstream end;
- John T. Myers-Smithland Pool (mile points 846.0-918.5; ending at mile point 848.0), which is bounded by the John T. Myers Locks and Dam on the upstream end and the Smithland Locks and Dam on the downstream end.

While these pools are analogous to IDEM's assessment units, ORSANCO reports its assessments based on mile points, which may or may not comprise an entire pool. Furthermore,

the reaches assessed do not remain static. For example, in one cycle, the Meldahl-Markland Pool, which extends from mile point 436.2-531.1, might be assessed as impaired for a given use only between mile points 506.0-515.5 with the remaining miles fully supporting for that use. Given this, IDEM determined it was necessary to resegment the Ohio River, defining smaller reaches to allow more accurate application of the assessment information provided by ORSANCO. With this resegmentation, IDEM replaced its original assessment units for the Ohio River with several smaller ones, each roughly five miles in length. The resegmentation process was completed after the draft 303(d) list was published, and all previously identified impairments were reevaluated against the most current assessment information available from ORSANCO to determine their applicability to the new AUIDs.

The twelve (12) original Ohio River AUIDs retired due to IDEM's Ohio River resegmentation are shown in Table 3.

Table 3: Additional assessment units retired as a result of IDEM's resegmentation of the Ohio River.

BASIN	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME
05090203	DEARBORN CO/OHIO CO/SWITZERLAND CO	INH1_00	OHIO RIVER - OHIO STATE LINE TO MARKLAND DAM
05140101	SWITZERLAND CO	INH2_00	OHIO RIVER - MARKLAND TO KENTUCKY RIVER
05140101	JEFFERSON CO/CLARK CO	INH3_00	OHIO RIVER - KENTUCKY R TO BATTLE CR
05140101	CLARK CO/FLOYD CO	INH3_M01	OHIO RIVER - BATTLE CR TO MCALPINE DAM
05140101	FLOYD CO	INH4_00	OHIO RIVER - MCALPINE TO GREENWOOD, KY
05140101	HARRISON CO	INH4_M01	OHIO RIVER - GREENWOOD, KY TO SALT CR
05140104	CRAWFORD CO/PERRY CO	INH5_00	OHIO RIVER - SALT CR TO CANNELTON
05140201	PERRY CO/SPENCER CO/WARRICK CO	INH6_00	OHIO RIVER - CANNELTON TO NEWBURGH
05120202	VANDEBURGH CO	INH7_00	OHIO RIVER - NEWBURGH TO GREEN R
05120202	VANDEBURGH CO	INH8_00	OHIO RIVER - GREEN RIVER TO EVANSVILLE
05120202	VANDEBURGH CO/POSEY CO	INH8_M01	OHIO RIVER - EVANSVILLE TO UNIONTOWN
05120202	POSEY CO	INH9_00	OHIO RIVER - UNIONTOWN TO WABASH R

Additional Assessment Units Retired as a Result of Other Resegmentations Completed or Finalized after the Draft 303(d) List was Published

In finalizing its segmentation tracking table, IDEM identified an additional one hundred sixty four (164) AUIDs that now need to be retired (Table 4).

Table 4: Additional assessment units retired based on IDEM's finalized resegmentation tracking.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME
LOWER WABASH	051201111501	VIGO CO	INB11G1_T1001	BUSSEYON CREEK (HEADWATER)
LOWER WABASH	051201111501	VIGO CO	INB11G1_T1002	BUSSEYON CREEK - UNNAMED TRIBUTARY (VIGO CO)
LOWER WABASH	051201111501	SULLIVAN CO/VIGO CO	INB11G1_T1003	CHOWNING CREEK
LOWER WABASH	051201111501	SULLIVAN CO/VIGO CO	INB11G1_T1004	CHOWNING CREEK
LOWER WABASH	051201111501	SULLIVAN CO	INB11G1_T1005	BUSSEYON CREEK - UNNAMED TRIBUTARY
LOWER WABASH	051201111502	SULLIVAN CO/VIGO CO	INB11G3_01	BUSSEYON CREEK, WEST FORK
LOWER WABASH	051201111502	SULLIVAN CO	INB11G3_02	BUSSEYON CREEK
LOWER WABASH	051201111505	SULLIVAN	INB11G5_00	BIG BRANCH
LOWER WABASH	051201111503	GREENE CO/SULLIVAN CO	INB11G5_01	BIG BRANCH
LOWER WABASH	051201111503	GREENE CO	INB11G5_T1033	BIG BRANCH - UNNAMED TRIBUTARY (UPSTREAM OF POWELL POND)
LOWER WABASH	051201111503	SULLIVAN CO	INB11G5_T1034	BIG BRANCH TRIBUTARY - GILMOUR
LOWER WABASH	051201111503	GREENE CO	INB11G5_T1035	BIG BRANCH - UNNAMED TRIBUTARY (POSSUM HOLLOW)
LOWER WABASH	051201111508	SULLIVAN CO	INB11G8_T1036	BUSSEYON CREEK
GREAT LAKES	04040001060040	PORTER CO	INC0164_T1108	PORTAGE BURNS WATERWAY
UPPER ILLINOIS	071200010208	LAPORTE CO	INK011B_T1001	COLLINS DITCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200010405	LAPORTE CO/STARKE CO	INK0131_T1003	KANKAKEE RIVER - MAINSTEM
UPPER ILLINOIS	071200010405	LAPORTE CO/STARKE CO	INK0133_T1004	KANKAKEE RIVER - MAINSTEM
UPPER ILLINOIS	071200010405	LAPORTE CO/STARKE CO	INK0134_T1005	KANKAKEE RIVER-MAINSTEM
UPPER ILLINOIS	071200010405	LAPORTE CO/STARKE CO	INK0138_T1006	KANKAKEE RIVER-MAINSTEM
UPPER ILLINOIS	071200010407	LAPORTE CO	INK013B_03	MILL CREEK (DOWNSTREAM OF UNION MILLS, IN)
UPPER ILLINOIS	071200010408	STARKE CO	INK013C_T1007	KANKAKEE RIVER-MAINSTEM
UPPER ILLINOIS	071200010704	LAPORTE	INK0146_T1008	KANKAKEE RIVER
UPPER ILLINOIS	071200010705	STARKE	INK0147_T1009	KANKAKEE RIVER
UPPER ILLINOIS	071200010302	ST. JOSEPH CO	INK0153_00	KLINE ROUGH DITCH
UPPER ILLINOIS	071200010302	ST. JOSEPH CO	INK0153_T1016	UNNAMED DITCH
UPPER ILLINOIS	071200010303	KOSCIUSKO CO/MARSHALL CO	INK0155_01	ARMEY DITCH

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME
UPPER ILLINOIS	071200010309	MARSHALL CO	INK0155_02	YELLOW RIVER
UPPER ILLINOIS	071200010303	MARSHALL CO	INK0155_T1001	ZEIGER DITCH
UPPER ILLINOIS	071200010303	MARSHALL CO	INK0155_T1001A	MARBERGER DITCH
UPPER ILLINOIS	071200010305	ST. JOSEPH CO	INK0157_T1002A	BUNCH DITCH, EAST BRANCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200010305	ST. JOSEPH CO	INK0157_T1003	MATTINGLY DITCH
UPPER ILLINOIS	071200010305	ST. JOSEPH CO	INK0157_T1004	BUNCH DITCH, WEST BRANCH
UPPER ILLINOIS	071200010309	MARSHALL CO	INK0158_01	YELLOW RIVER
UPPER ILLINOIS	071200010309	MARSHALL CO	INK0159_01	SELLS DITCH
UPPER ILLINOIS	071200010306	KOSCIUSKO CO	INK015A_T1001	HATAFIELD ARM
UPPER ILLINOIS	071200010312	MARSHALL CO	INK015F_01	YELLOW RIVER
UPPER ILLINOIS	071200010312	MARSHALL CO	INK015F_T1003	MILLER HARRIS ARM
UPPER ILLINOIS	071200010312	MARSHALL CO	INK015F_T1003A	SELTENRIGHT DITCH
UPPER ILLINOIS	071200010312	MARSHALL CO	INK015F_T1004	GREER DITCH
UPPER ILLINOIS	071200010312	MARSHALL CO	INK015F_T1005	ZIMMER DITCH
UPPER ILLINOIS	071200010311	MARSHALL CO	INK015G_T1101	ELMER-SELTENRIGHT DITCH HEADWATERS
UPPER ILLINOIS	071200010501	MARSHALL CO	INK0164_T1102	MEYERS DITCH BASIN
UPPER ILLINOIS	071200010505	MARSHALL CO/STARKE CO	INK0166_01	YELLOW RIVER
UPPER ILLINOIS	071200010505	STARKE CO	INK0166_T1001	YELLOW RIVER - UNNAMED TRIBUTARY (MARSHALL CO)
UPPER ILLINOIS	071200010505	STARKE CO	INK0166_T1002	YELLOW RIVER - UNNAMED TRIBUTARY (MARSHALL CO)
UPPER ILLINOIS	071200010505	STARKE CO	INK0166_T1004	YELLOW RIVER - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200010505	STARKE CO	INK0166_T1007	YELLOW RIVER - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200010504	MARSHALL CO/STARKE CO	INK0169_01	EAGLE CREEK (UPSTREAM OF CRABB DITCH)
UPPER ILLINOIS	071200010504	STARKE CO	INK0169_02	EAGLE CREEK (DOWNSTREAM OF CRABB DITCH)
UPPER ILLINOIS	071200010506	STARKE CO	INK016A_T1001	YELLOW RIVER - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200010604	STARKE CO	INK0175_T1010	PINE CREEK (STARKE)
UPPER ILLINOIS	071200010806	LAPORTE CO/STARKE CO	INK0183_M1011	KANKAKEE RIVER-ENGLISH LAKE
UPPER ILLINOIS	071200010807	JASPER CO	INK0187_M1012	KANKAKEE RIVER
UPPER ILLINOIS	071200011002	PORTER CO	INK0196_T1001	CROOKED CREEK, WEST BRANCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011002	PORTER CO	INK0196_T1002	CROOKED CREEK, WEST BRANCH - UNNAMED TRIBUTARY (VALPARAISO)
UPPER ILLINOIS	071200011002	PORTER CO	INK0196_T1002A	CROOKED CREEK, WEST BRANCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011002	PORTER CO	INK0196_T1002B	CROOKED CREEK, WEST BRANCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011002	PORTER CO	INK0196_T1002C	CROOKED CREEK, WEST BRANCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011002	PORTER CO	INK0196_T1003	CROOKED CREEK, WEST BRANCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011004	PORTER CO	INK0198_00	KOSELKI DITCH
UPPER ILLINOIS	071200011007	PORTER CO	INK019A_T1001	COBB DITCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011007	PORTER CO	INK019A_T1002	SELVERS CREEK

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME
UPPER ILLINOIS	071200011007	PORTER CO	INK019A_T1002A	SELVERS CREEK - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011007	PORTER CO	INK019A_T1003	COBB DITCH - UNNAMED TRIBUTARIES
UPPER ILLINOIS	071200011007	PORTER CO	INK019B_T1001	LUDINGTOND DITCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011007	PORTER CO	INK019B_T1002	LUDINGTON DITCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011007	PORTER CO	INK019B_T1003	LUDINGTON DITCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011007	PORTER CO	INK019B_T1004	LUDINGTON DITCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011007	PORTER CO	INK019B_T1005	LUDINGTON DITCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011007	PORTER CO	INK019B_T1005A	LUDINGTON DITCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011007	PORTER CO	INK019B_T1006	LUDINGTON DITCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011007	PORTER CO	INK019B_T1007	LUDINGTON DITCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011007	PORTER CO	INK019B_T1008	LUDINGTON DITCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011007	PORTER CO	INK019B_T1009	LUDINGTON DITCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011010	PORTER CO	INK019F_M1113	KANKAKEE RIVER
UPPER ILLINOIS	071200011010	PORTER CO	INK019F_T1001	KELLER DITCH
UPPER ILLINOIS	071200011010	PORTER CO	INK019F_T1002	BREYFOGEL DITCH - UNNAMED TRIUBTARY
UPPER ILLINOIS	071200011010	PORTER CO	INK019F_T1003	BREYFOGEL DITCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011010	PORTER CO	INK019F_T1004	KITHCART DITCH
UPPER ILLINOIS	071200011010	PORTER CO	INK019F_T1005	COBB CREEK
UPPER ILLINOIS	071200011010	PORTER CO	INK019F_T1005A	COBB CREEK - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011010	PORTER CO	INK019F_T1006	BREYFOGEL DITCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200010901	JASPER CO	INK01A1_01	WOLF CREEK (UPSTREAM OF SR 49)
UPPER ILLINOIS	071200010901	JASPER CO	INK01A1_02	WOLF CREEK (DOWNSTREAM OF SR 49)
UPPER ILLINOIS	071200010901	JASPER CO	INK01A1_T1002	WOLF CREEK - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200010901	JASPER CO	INK01A1_T1003	LATERAL NO 77
UPPER ILLINOIS	071200010901	JASPER CO	INK01A1_T1004	WOLF CREEK - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200010901	JASPER CO	INK01A1_T1005	WOLF CREEK - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200010901	JASPER CO	INK01A1_T1006	SCRADER DITCH
UPPER ILLINOIS	071200010901	JASPER CO	INK01A1_T1006A	SCHRADER DITCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200010901	JASPER CO	INK01A1_T1007	WOLF CREEK - UNNAMED TRIBUTARY (WHEATFIELD, IN)
UPPER ILLINOIS	071200010901	JASPER CO	INK01A1_T1008	WOLF CREEK - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200010903	JASPER CO	INK01A3_T1001	JAMES DITCH
UPPER ILLINOIS	071200010903	JASPER CO	INK01A3_T1002A	DELEHANTY DITCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200010903	JASPER CO	INK01A3_T1002B	DELEHANTY DITCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200010903	JASPER CO	INK01A3_T1002C	DELEHANTY DITCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200010903	JASPER CO	INK01A3_T1002D	DELEHANTY DITCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200010903	JASPER CO	INK01A3_T1003	COOK DITCH
UPPER ILLINOIS	071200010903	JASPER CO	INK01A3_T1004	SCHATZLEY DITCH
UPPER ILLINOIS	071200011103	NEWTON CO	INK01B3_01	HIBLER DITCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011103	NEWTON CO	INK01B3_M1020A	KANKAKEE RIVER
UPPER ILLINOIS	071200011103	NEWTON CO	INK01B3_T1001A	KANKAKEE RIVER - UNNAMED TRIBUTARY DITCH SYSTEM
UPPER ILLINOIS	071200011203	NEWTON CO	INK01C3_01A	BOGUS ISLAND DITCH - UNNAMED TRIBUTARY SYSTEM

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME
UPPER ILLINOIS	071200011203	NEWTON CO	INK01C3_01B	BOGUS ISLAND DITCH - UNNAMED TRIBUTARY SYSTEM
UPPER ILLINOIS	071200011203	NEWTON CO	INK01C3_01C	BOGUS ISLAND DITCH - UNNAMED TRIBUTARY SYSTEM
UPPER ILLINOIS	071200011203	NEWTON CO	INK01C3_01D	BOGUS ISLAND DITCH - UNNAMED TRIBUTARY SYSTEM
UPPER ILLINOIS	071200011203	NEWTON CO	INK01C3_01E	BOGUS ISLAND DITCH - UNNAMED TRIBUTARY SYSTEM
UPPER ILLINOIS	071200011203	NEWTON CO	INK01C3_02	LAWLER DITCH
UPPER ILLINOIS	071200011203	NEWTON CO	INK01C3_02A	LAWLER DITCH - UNNAMED TRIBUTARY SYSTEM
UPPER ILLINOIS	071200011203	NEWTON CO	INK01C3_02B	LAWLER DITCH - UNNAMED TRIBUTARY SYSTEM
UPPER ILLINOIS	071200011203	NEWTON CO	INK01C3_02C	LAWLER DITCH - UNNAMED TRIBUTARY SYSTEM
UPPER ILLINOIS	071200011203	NEWTON CO	INK01C3_02D	LAWLER DITCH - UNNAMED TRIBUTARY SYSTEM
UPPER ILLINOIS	071200011203	NEWTON CO	INK01C3_02E	LAWLER DITCH - UNNAMED TRIBUTARY SYSTEM
UPPER ILLINOIS	071200011203	NEWTON CO	INK01C3_03	REDDEN DITCH
UPPER ILLINOIS	071200011203	NEWTON CO	INK01C3_03A	REDDEN DITCH - UNNAMED TRIBUTARY SYSTEM
UPPER ILLINOIS	071200011205	NEWTON CO	INK01C4_03	BOGUS ISLAND DITCH
UPPER ILLINOIS	071200011205	NEWTON CO	INK01C4_04	KANKAKEE RIVER - UNNAMED TRIBUTARY DITCH SYSTEM
UPPER ILLINOIS	071200011205	NEWTON CO	INK01C4_05	BEST DITCH
UPPER ILLINOIS	071200011205	NEWTON CO	INK01C4_05A	BEST DITCH - UNNAMED TRIBUTARY DITCH
UPPER ILLINOIS	071200011205	NEWTON CO	INK01C4_05B	BEST DITCH - UNNAMED TRIBUTARY DITCH
UPPER ILLINOIS	071200011205	NEWTON CO	INK01C4_05C	BEST DITCH - UNNAMED TRIBUTARY DITCH
UPPER ILLINOIS	071200011301	LAKE CO	INK01D1_02	STONY RUN, EAST BRANCH
UPPER ILLINOIS	071200011301	LAKE CO	INK01D1_03	STONY RUN, MIDDLE BRANCH
UPPER ILLINOIS	071200011301	LAKE CO	INK01D1_T1001	STONY RUN, EAST BRANCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011302	LAKE CO	INK01D2_01	STONY RUN HEADWATER
UPPER ILLINOIS	071200011302	LAKE CO	INK01D2_T1001	STONY RUN - UNNAMED HEADWATER TRIBUTARY
UPPER ILLINOIS	071200011302	LAKE CO	INK01D2_T1002	STONY RUN - UNNAMED HEADWATER TRIBUTARY
UPPER ILLINOIS	071200011302	LAKE CO	INK01D2_T1003	STONY RUN - UNNAMED TRIBUTARY (SOUTHEAST GROVE, IN)
UPPER ILLINOIS	071200011302	LAKE CO	INK01D2_T1004	STONY RUN - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011302	LAKE CO	INK01D2_T1005	BROWN DITCH
UPPER ILLINOIS	071200011302	LAKE CO	INK01D2_T1006	STONY RUN - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011305	LAKE CO	INK01D3_T1010	SINGLETON DITCH - UNNAMED TRIBUTARIES
UPPER ILLINOIS	071200011305	LAKE CO	INK01D3_T1011	SINGLETON DITCH - UNNAMED TRIBUTARIES
UPPER ILLINOIS	071200011303	LAKE CO	INK01D4_01	SPRING RUN
UPPER ILLINOIS	071200011303	LAKE CO	INK01D4_T1001	SPRING RUN - UNNAMED TRIBUTARIES
UPPER ILLINOIS	071200011303	LAKE CO	INK01D4_T1002	SPRING RUN - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011303	LAKE CO	INK01D4_T1004	SPRING RUN - UNNAMED TRIBUTARY

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME
UPPER ILLINOIS	071200011306	LAKE CO	INK01D7_T1001	CEDAR CREEK - UNNAMED HEADWATER STREAM
UPPER ILLINOIS	071200011306	LAKE CO	INK01D7_T1001A	CEDAR CREEK - UNNAMED HEADWATER STREAM
UPPER ILLINOIS	071200011306	LAKE CO	INK01D7_T1002	MCCONNELL DITCH
UPPER ILLINOIS	071200011306	LAKE CO	INK01D7_T1003	SINGLETON DITCH - UNNAMED TRIBUTARIES
UPPER ILLINOIS	071200011311	LAKE CO	INK01D8_02	BRUCE DITCH (UPSTREAM OF BELSHAW, IN)
UPPER ILLINOIS	071200011311	LAKE CO	INK01D8_T1001	BRUCE DITCH (HEADWATERS)
UPPER ILLINOIS	071200011311	LAKE CO	INK01D8_T1002	BAILEY DITCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011311	LAKE CO	INK01D8_T1003	BAILEY DITCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011311	LAKE CO	INK01D8_T1004	BAILEY DITCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011307	LAKE CO	INK01D9_T1001	BROWN DITCH - UNNAMED DITCHES (GRAND BLVD AND STONE ROAD)
UPPER ILLINOIS	071200011307	LAKE CO	INK01D9_T1002	BROWN DITCH - UNNAMED TRIBUTARY DITCHES
UPPER ILLINOIS	071200011307	LAKE CO	INK01D9_T1003	BROWN DITCH - UNNAMED TRIBUTARY DITCHES
UPPER ILLINOIS	071200011307	LAKE CO	INK01D9_T1004	BROWN DITCH - UNNAMED DITCH
UPPER ILLINOIS	071200011307	LAKE CO	INK01D9_T1005	BROWN DITCH - UNNAMED TRIBUTARY DITCH
UPPER ILLINOIS	071200011307	LAKE CO	INK01D9_T1006	TULLY DITCH
UPPER ILLINOIS	071200011307	LAKE CO	INK01D9_T1006A	TULLY DITCH - UNNAMED TRIBUTARIES
UPPER ILLINOIS	071200011307	LAKE CO	INK01D9_T1007	BROWN DITCH - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011307	LAKE CO	INK01D9_T1008	BROWN DITCH - UNNAMED TRIBUTARY DITCH
UPPER ILLINOIS	071200011309	LAKE CO	INK01E2_02	WEST CREEK (SOUTH OF 165TH AVE)
UPPER ILLINOIS	071200011309	LAKE CO	INK01E2_T1001	WEST CREEK - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011309	LAKE CO	INK01E2_T1003	WEST CREEK - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200011309	LAKE CO	INK01E2_T1004A	WEST CREEK - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200020205	JASPER CO	INK0237_T1006	CARPENTER CREEK - UNNAMED TRIBUTARY
UPPER ILLINOIS	071200030305	LAKE CO	INK0335_T1004	LITTLE CALUMET RIVER
UPPER ILLINOIS	071200030305	LAKE CO	INK0335_T1005	LITTLE CALUMET RIVER
UPPER ILLINOIS	071200030305	LAKE CO	INK0336_T1002	LITTLE CALUMET RIVER
UPPER ILLINOIS	071200030407	LAKE CO	INK0351_T1001	GRAND CALUMET RIVER - ILLINOIS TO INDIANA HARBOR CANAL

CHANGES MADE SINCE THE 2008 303(d) LIST WAS APPROVED

Waterbody Impairments Removed from Category 5 as a Result of Resegmentation

In accordance with IDEM procedure and U.S. EPA policy, impairments may not be removed from the 303(d) list solely on the basis of resegmentation. All impairments on a resegmented AU must be reevaluated to determine their applicability to the resulting new AU. For the 2010 cycle, IDEM removed a total of five hundred twenty six (526) impairments from Category 5 as a result of resegmentation. This number includes those proposed in the draft 303(d) list to be removed based on resegmentations and additional impairments removed based on resegmentations completed or finalized after the draft list was published, which are discussed in more detail below. All impairments removed from Category 5 based on resegmentations completed for the 2010 cycle are identified in Attachment 1 (Table A3).

Additional Waterbody Impairments Removed from Category 5 as a Result of Ohio River Resegmentation and Reassessment Completed after the Draft List was Published

Since the draft 303(d) list was published, IDEM removed an additional twenty nine (29) impairments from Category 5 of its finalized list based on resegmentation of the Ohio River (Table 5).

IDEM also completed its reassessment of the Ohio River to ensure accurate application of previous and new assessment information to the new AUIDs resulting from the resegmentation. Any new impairments identified as a result of this reassessment and any previously listed impairments carried over under their new AUIDs are discussed in a later section of this document and have been added to the finalized 303(d) list provided in Attachment 1 (Table A11).

Table 5: Additional waterbody impairments to be removed from Category 5 as a result of IDEM's Ohio River resegmentation completed after the draft 303(d) list was published.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
OHIO TRIBUTARIES	5090203	SWITZERLAND CO	INH1_00	OHIO RIVER - OHIO STATE LINE TO MARKLAND DAM	E. COLI
OHIO TRIBUTARIES	5090203	SWITZERLAND CO	INH2_00	OHIO RIVER - MARKLAND TO KENTUCKY RIVER	E. COLI
OHIO TRIBUTARIES	5140101	CLARK CO	INH3_00	OHIO RIVER - KENTUCKY R TO BATTLE CR	E. COLI
OHIO TRIBUTARIES	5140101	CLARK CO	INH3_M01	OHIO RIVER - BATTLE CR TO MCALPINE DAM	E. COLI
OHIO TRIBUTARIES	5140101	HARRISON CO	INH4_00	OHIO RIVER - MCALPINE TO GREENWOOD, KY	E. COLI
OHIO TRIBUTARIES	5140101	HARRISON CO	INH4_M01	OHIO RIVER - GREENWOOD, KY TO SALT CR	E. COLI
OHIO TRIBUTARIES	5140201	PERRY CO	INH5_00	OHIO RIVER - SALT CR TO CANNELTON	E. COLI
OHIO TRIBUTARIES	5140202	VANDEBURGH CO	INH8_00	OHIO RIVER - GREEN RIVER TO EVANSVILLE	E. COLI
OHIO TRIBUTARIES	5140202	POSEY CO	INH8_M01	OHIO RIVER - EVANSVILLE TO UNIONTOWN	E. COLI
OHIO TRIBUTARIES	5140202	POSEY CO	INH9_00	OHIO RIVER - UNIONTOWN TO WABASH R	E. COLI
OHIO TRIBUTARIES	5090203	SWITZERLAND CO	INH1_00	OHIO RIVER - OHIO STATE LINE TO MARKLAND DAM	DIOXINS
OHIO TRIBUTARIES	5140101	HARRISON CO	INH4_M01	OHIO RIVER - GREENWOOD, KY TO SALT CR	DIOXINS
OHIO TRIBUTARIES	5140201	PERRY CO	INH5_00	OHIO RIVER - SALT CR TO CANNELTON	DIOXINS
OHIO TRIBUTARIES	5140201	VANDEBURGH CO	INH7_00	OHIO RIVER - NEWBURGH TO GREEN R	DIOXINS
OHIO TRIBUTARIES	5140201	WARRICK CO	INH6_00	OHIO RIVER - CANNELTON TO NEWBURGH	MERCURY IN FISH TISSUE
OHIO TRIBUTARIES	5140202	VANDEBURGH CO	INH8_00	OHIO RIVER - GREEN RIVER TO EVANSVILLE	MERCURY IN FISH TISSUE
OHIO TRIBUTARIES	5140202	POSEY CO	INH8_M01	OHIO RIVER - EVANSVILLE TO UNIONTOWN	MERCURY IN FISH TISSUE
OHIO TRIBUTARIES	5090203	SWITZERLAND CO	INH1_00	OHIO RIVER - OHIO STATE LINE TO MARKLAND DAM	PCBS IN FISH TISSUE
OHIO TRIBUTARIES	5090203	SWITZERLAND CO	INH2_00	OHIO RIVER - MARKLAND TO KENTUCKY RIVER	PCBS IN FISH TISSUE

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
OHIO TRIBUTARIES	5140101	CLARK CO	INH3_00	OHIO RIVER - KENTUCKY R TO BATTLE CR	PCBS IN FISH TISSUE
OHIO TRIBUTARIES	5140101	CLARK CO	INH3_M01	OHIO RIVER - BATTLE CR TO MCALPINE DAM	PCBS IN FISH TISSUE
OHIO TRIBUTARIES	5140101	HARRISON CO	INH4_00	OHIO RIVER - MCALPINE TO GREENWOOD, KY	PCBS IN FISH TISSUE
OHIO TRIBUTARIES	5140101	HARRISON CO	INH4_M01	OHIO RIVER - GREENWOOD, KY TO SALT CR	PCBS IN FISH TISSUE
OHIO TRIBUTARIES	5140201	PERRY CO	INH5_00	OHIO RIVER - SALT CR TO CANNELTON	PCBS IN FISH TISSUE
OHIO TRIBUTARIES	5140201	WARRICK CO	INH6_00	OHIO RIVER - CANNELTON TO NEWBURGH	PCBS IN FISH TISSUE
OHIO TRIBUTARIES	5140201	VANDEBURGH CO	INH7_00	OHIO RIVER - NEWBURGH TO GREEN R	PCBS IN FISH TISSUE
OHIO TRIBUTARIES	5140202	VANDEBURGH CO	INH8_00	OHIO RIVER - GREEN RIVER TO EVANSVILLE	PCBS IN FISH TISSUE
OHIO TRIBUTARIES	5140202	POSEY CO	INH8_M01	OHIO RIVER - EVANSVILLE TO UNIONTOWN	PCBS IN FISH TISSUE
OHIO TRIBUTARIES	5140202	POSEY CO	INH9_00	OHIO RIVER - UNIONTOWN TO WABASH R	PCBS IN FISH TISSUE

Additional Waterbody Impairments Removed as a Result of Resegmentation to Support TMDL Development for the West Fork Whitewater River Watershed

IDEM developed the TMDL for the West Fork Whitewater River watershed in Randolph, Wayne, Fayette, Henry, and Franklin Counties. This TMDL was approved in 2009 at which time IDEM's segmentation tracking process was still under development. Once IDEM's resegmentation processes were finalized, this watershed was re-indexed again to ensure consistency with other basins now being re-indexed. As a result of this second resegmentation, the impairments for which the original TMDL was approved do not match IDEM's records. Therefore, IDEM must work with U.S. EPA on this TMDL to ensure proper segmentation tracking of impairments approved in the original TMDL.

All of the impairments originally submitted for this TMDL under their original AUIDs were correctly retired in the draft 303(d) list but were not accounted for in the draft as proposed additions to Category 4A nor were they proposed for delisting due to resegmentation. Therefore, the twenty nine (29) previously listed impairments included in the TMDL submitted for the West Fork Whitewater watershed (Table 6) have instead been delisted due to resegmentation and have been added back to Category 5 under their new AUIDs. The original TMDL also included fifteen (15) newly identified impairments on AUIDs which have since been resegmented (Table 7). These impairments have been added to Category 5 under their new AUIDs.

Adding the impairments addressed by the West Fork Whitewater River TMDL to Category 5 for the 2010 cycle will allow IDEM and U.S. EPA the additional time necessary to resolve the segmentation tracking issues associated with this TMDL. Once these issues are resolved, IDEM will revise the TMDL accordingly and submit it to U.S. EPA for approval during the 2012 cycle.

Table 6: Waterbody impairments previously listed in Category 5 and submitted with IDEM's original TMDL for the West Fork Whitewater River watershed. These impairments have been delisted due to resegmentation for the 2010 cycle and added back to Category 5 as appropriate under their new AUIDs until segmentation tracking issues associated with this TMDL can be resolved.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
GREAT MIAMI	5080002070030	UNION CO	ING0311_T1001	WHITEWATER RIVER, WF	E. COLI
GREAT MIAMI	5080003010010	WAYNE CO	ING0312_T1002	WHITEWATER RIVER, WEST FORK	E. COLI
GREAT MIAMI	5080003010060	WAYNE CO	ING0316_00	WHITEWATER RIVER - CRIETZ CREEK	E. COLI
GREAT MIAMI	5080003010100	WAYNE CO	ING0316_T1004	WHITEWATER RIVER, WEST FORK	E. COLI
GREAT MIAMI	5080003010120	WAYNE CO	ING031A_00	MARTINDALE CREEK - ECONOMY	E. COLI
GREAT MIAMI	5080003010140	WAYNE CO	ING031B_00	MORGAN CREEK - WEST BROOK	E. COLI
GREAT MIAMI	5080003020040	WAYNE CO	ING031C_00	MARTINDALE CREEK - BEARD RUN	E. COLI
GREAT MIAMI	5080003020050	WAYNE CO	ING031E_T1005	WHITEWATER RIVER - MILTON	E. COLI
GREAT MIAMI	5080003020070	WAYNE CO	ING0324_00	GREENS FORK CREEK - WILLIAMSBURG CREEK	E. COLI
GREAT MIAMI	5080003030010	WAYNE CO	ING0325_00	GREENS FORK	E. COLI
GREAT MIAMI	5080003030010	WAYNE CO	ING0326_00	GREENS FORK	E. COLI
GREAT MIAMI	5080003030010	WAYNE CO	ING0327_T1006*	WHITEWATER RIVER, WEST FORK	E. COLI
GREAT MIAMI	5080003030010	WAYNE CO	ING0331_00	NOLANDS FORK	E. COLI
GREAT MIAMI	5080003030010	WAYNE CO	ING0331_T1001*	BOWEN DITCH	E. COLI
GREAT MIAMI	5080003030010	WAYNE CO	ING0331_T1002*	CRETE DRAIN	E. COLI
GREAT MIAMI	5080003030010	WAYNE CO	ING0331_T1003*	NOLANDS FORK-UNNAMED TRIBUTARY	E. COLI
GREAT MIAMI	5080003030010	WAYNE CO	ING0331_T1004*	KELLY DITCH	E. COLI
GREAT MIAMI	5080003030010	WAYNE CO	ING0331_T1005*	NOLANDS FORK-UNNAMED TRIBUTARIES	E. COLI
GREAT MIAMI	5080003030010	WAYNE CO	ING0331_T1006*	NOLANDS FORK-UNNAMED TRIBUTARY	E. COLI
GREAT MIAMI	5080003030020	WAYNE CO	ING0331_T1007*	POLE CREEK	E. COLI
GREAT MIAMI	5080003030030	WAYNE CO	ING0331_T1008*	LINE BROOK	E. COLI
GREAT MIAMI	5080003030050	FAYETTE CO	ING0331_T1009*	SLOW RUN	E. COLI
GREAT MIAMI	5080003040010	FAYETTE CO	ING0332_01	NOLANDS FORK	E. COLI
GREAT MIAMI	5080003040060	FAYETTE CO	ING0333_00	NOLANDS FORK	E. COLI
GREAT MIAMI	5080003040070	FAYETTE CO	ING0335_00	NOLANDS FORK	E. COLI
GREAT MIAMI	5080003040130	FRANKLIN CO	ING0341_T1007*	WHITEWATER RIVER, WEST FORK	E. COLI
GREAT MIAMI	5080003080040	FRANKLIN CO	ING0346_00	WILLIAMS CREEK	E. COLI
GREAT MIAMI	5080003080080	FRANKLIN CO	ING0347_00	LITTLE WILLIAMS CREEK	E. COLI
GREAT MIAMI	5080003080080	FRANKLIN CO	ING0347_01	WILLIAMS CREEK	E. COLI

*One/more stream reaches originally included in this AUID have been found to be meeting applicable WQS for recreational uses. Therefore, the impairment originally identified for this reach has been applied only to the new AUIDs resulting from resegmentation which have been found to be impaired.

Table 7: Newly identified waterbody impairments submitted with IDEM's original TMDL for the West Fork Whitewater River watershed. These impairments were submitted with the TMDL under their original AUIDs and have since been resegmented. Therefore, these impairments have been added to Category 5 under their new AUIDs until segmentation tracking issues associated with this TMDL can be resolved.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
GREAT MIAMI	05080003010040	WAYNE CO	ING0314_00	WHITEWATER RIVER - PRONGHORN RUN	E. COLI
GREAT MIAMI	05080003010040	WAYNE CO	ING0314_T1003	WHITEWATER RIVER, WEST FORK	E. COLI
GREAT MIAMI	05080003010080	FAYETTE CO	ING0318_00	SIMON CREEK - ROY RUN	E. COLI
GREAT MIAMI	05080003020030	WAYNE CO	ING0323_00	GREENS FORK CREEK -- MORGAN CREEK	E. COLI
GREAT MIAMI	05080003020030	RANDOLPH CO	ING0323_T1001	BLOOMINGPORT CREEK AND UNNAMED TRIBUTARIES	E. COLI
GREAT MIAMI	05080003020030	RANDOLPH CO	ING0323_T1002	PORT RUN	E. COLI
GREAT MIAMI	05080003030040	WAYNE CO	ING0334_00	NOLANDS FORK - COMMON RUN	E. COLI
GREAT MIAMI	05080003040030	FAYETTE CO	ING0343_00*	WHITEWATER RIVER-UNNAMED TRIBUTARY (FAYETTE, IN)	E. COLI
GREAT MIAMI	05080003040030	FAYETTE CO	ING0343_T1007*	WHITEWATER RIVER (CONNERSVILLE, IN UPSTREAM)	E. COLI
GREAT MIAMI	05080003040030	FAYETTE CO	ING0343_T1008	WHITEWATER RIVER (CONNERSVILLE, IN DOWNSTREAM)	E. COLI
GREAT MIAMI	05080003040030	FAYETTE CO	ING0348_T1010*	WHITEWATER RIVER, WEST FORK	E. COLI
GREAT MIAMI	05080003040090	FAYETTE CO	ING0349_00	BEAR CREEK AND OTHER TRIBS	E. COLI
GREAT MIAMI	05080003040090	FAYETTE CO	ING0349_T1011*	WHITEWATER RIVER, WEST FORK	E. COLI
GREAT MIAMI	05080003040110	FRANKLIN CO	ING034B_00*	WHITEWATER RIVER	E. COLI
GREAT MIAMI	05080003040130	FRANKLIN CO	ING034D_00*	WHITEWATER RIVER	E. COLI

*One/more stream reaches originally included in this AUID have been found to be meeting applicable WQS for recreational uses. Therefore, the impairment originally identified for this reach has been applied only to the new AUIDs resulting from resegmentation which have been found to be impaired.

Additional Waterbody Impairments Removed as a Result of Other Resegmentations Completed or Finalized after the Draft 303(d) List was Published

Since the draft 303(d) list was published, IDEM finalized its segmentation tracking table, which resulted in the removal of an additional one hundred thirty three (133) impairments from Category 5 based on resegmentation (Table 8). As with all impairments delisted due to resegmentation, any impairments still pending the reassessment required for resegmentation have been added to Category 5 under their new AUIDs.

Table 8: Additional waterbody impairments removed from Category 5 due to resegmentation finalized after the draft 303(d) list was published.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
UPPER WABASH	5120107010010	HOWARD CO	INB0711_00	GRASSY FORK DITCH - HARPER DITCH	E. COLI
UPPER WABASH	5120107010030	TIPTON CO	INB0713_00	MUD CREEK - HEADWATERS (TIPTON)	E. COLI
UPPER WABASH	5120107010040	TIPTON CO	INB0714_00	MUD CREEK	E. COLI

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
UPPER WABASH	5120107010040	TIPTON CO	INB0714_T1001	ROSS DITCH	E. COLI
UPPER WABASH	5120107010040	TIPTON CO	INB0714_T1002	NORTH CREEK	E. COLI
UPPER WABASH	5120107010040	TIPTON CO	INB0714_T1003	OFF DITCH	E. COLI
UPPER WABASH	5120107010060	TIPTON CO	INB0716_00	TURKEY CREEK - ASKREN/ ROUND PRAIRIE DITCHES	E. COLI
UPPER WABASH	5120107010060	TIPTON CO	INB0716_T1030	TURKEY CREEK	E. COLI
UPPER WABASH	5120107010070	HOWARD CO	INB0717_00	MUD CREEK	E. COLI
UPPER WABASH	5120107010070	HOWARD CO	INB0717_T1001	WILDCAT CREEK	E. COLI
UPPER WABASH	5120107010070	HOWARD CO	INB0717_T1031	MUD CREEK - IRWIN CREEK	E. COLI
UPPER WABASH	5120107010080	HOWARD CO	INB0718_T1002	WILDCAT CREEK - JEROME	E. COLI
UPPER WABASH	5120107010100	HOWARD CO	INB071A_00	STAHL DITCH	E. COLI
UPPER WABASH	5120107010100	HOWARD CO	INB071A_T1005	PRAIRIE CREEK DITCH - UPPER	E. COLI
UPPER WABASH	5120107010100	HOWARD CO	INB071A_T1006	WILDCAT CREEK - MAINSTEM	E. COLI
UPPER WABASH	5120107010100	HOWARD CO	INB071A_T1025	WILDCAT CREEK - UPSTREAM OF WATER INTAKE	E. COLI
UPPER WABASH	5120107010100	HOWARD CO	INB071A_T1032	PRAIRIE CREEK DITCH - LOWER	E. COLI
UPPER WABASH	5120107010100	HOWARD CO	INB071A_T1033	CANNON - GOYER DITCH	E. COLI
UPPER WABASH	5120107010110	HOWARD CO	INB071B_00	FINN DITCH AND OTHER TRIBUTARIES	E. COLI
UPPER WABASH	5120107010110	HOWARD CO	INB071B_T1007	KOKOMO CREEK - HEADWATERS	E. COLI
UPPER WABASH	5120107020010	HOWARD CO	INB0721_T1008	WILDCAT CREEK (UPSTREAM OF SPRING RUN)	E. COLI
UPPER WABASH	5120107020010	HOWARD CO	INB0721_T1009	WILDCAT CREEK (DOWNSTREAM OF SPRING RUN)	E. COLI
UPPER WABASH	5120107020010	HOWARD CO	INB0721_T1011	HALIHAN DITCH	E. COLI
UPPER WABASH	5120107020020	HOWARD CO	INB0722_00	LITTLE WILDCAT CREEK - EAST FORK	E. COLI
UPPER WABASH	5120107020020	TIPTON CO	INB0722_T1009	KELLY WEST DITCH	E. COLI
UPPER WABASH	5120107020020	TIPTON CO	INB0722_T1035	UNNAMED TRIBUTARY	E. COLI
UPPER WABASH	5120107020020	HOWARD CO	INB0722_T1036	LITTLE WILDCAT CREEK - WEST FORK	E. COLI
UPPER WABASH	5120107020030	HOWARD CO	INB0723_00	VOGUS DITCH	E. COLI
UPPER WABASH	5120107020030	HOWARD CO	INB0723_T1001	LYNN RUN	E. COLI

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
UPPER WABASH	5120107020030	HOWARD CO	INB0723_T1002	BUTLER DITCH	E. COLI
UPPER WABASH	5120107020030	HOWARD CO	INB0723_T1010	LITTLE WILDCAT CREEK (UPSTREAM OF VOGUS DITCH)	E. COLI
UPPER WABASH	5120107020040	HOWARD CO	INB0724_00	WEST HONEY CREEK	E. COLI
UPPER WABASH	5120107020050	HOWARD CO	INB0725_00	HONEY CREEK	E. COLI
UPPER WABASH	5120107020050	HOWARD CO	INB0725_T1011	WILDCAT CREEK - MAINSTEM	E. COLI
UPPER WABASH	5120107020060	HOWARD CO	INB0726_T1012	DEARINGER DITCH-KIDDLE DITCH	E. COLI
UPPER WABASH	5120107020060	HOWARD CO	INB0726_T1038	WILDCAT CREEK-UNNAMED TRIBUTARY	E. COLI
UPPER WABASH	5120107020060	HOWARD CO	INB0726_T1039	WILDCAT CREEK-UNNAMED TRIBUTARIES	E. COLI
UPPER WABASH	5120107020060	HOWARD CO	INB0726_T1040	WILDCAT CREEK-UNNAMED TRIBUTARY	E. COLI
UPPER WABASH	5120107020060	HOWARD CO	INB0726_T1041	WILDCAT CREEK-UNNAMED TRIBUTARY	E. COLI
UPPER WABASH	5120107020070	HOWARD CO	INB0727_00	PETES RUN	E. COLI
UPPER WABASH	5120107020070	HOWARD CO	INB0727_T1010	DAVISON DITCH	E. COLI
UPPER WABASH	5120107020070	HOWARD CO	INB0727_T1011	MCDOWELL DITCH	E. COLI
UPPER WABASH	5120107020070	HOWARD CO	INB0727_T1012	MOORE DITCH	E. COLI
UPPER WABASH	5120107020070	HOWARD CO	INB0727_T1013	WILDCAT CREEK	E. COLI
UPPER WABASH	5120107020070	CARROLL CO	INB0727_T1037	WILDCAT CREEK-UNNAMED TRIBUTARY	E. COLI
UPPER WABASH	5120107020070	CARROLL CO	INB0727_T1038	WILDCAT CREEK-UNNAMED TRIBUTARY	E. COLI
UPPER WABASH	5120107020070	CARROLL CO	INB0727_T1039	WILDCAT CREEK (BURLINGTON)- UNNAMED TRIBUTARIES	E. COLI
UPPER WABASH	5120107020070	CARROLL CO	INB0727_T1040	WILDCAT CREEK - MAINSTEM	E. COLI
UPPER WABASH	5120107020080	CARROLL CO	INB0728_00	WILDCAT CREEK - HURRICANE CREEK	E. COLI
UPPER WABASH	5120107020080	CARROLL CO	INB0728_T1014	WILDCAT CREEK - MAINSTEM	E. COLI
UPPER WABASH	5120107020080	CARROLL CO	INB0728_T1014	WILDCAT CREEK - MAINSTEM	PCBS IN FISH TISSUE
UPPER WABASH	5120107020090	CARROLL CO	INB0729_T1001	WILDCAT CREEK-UNNAMED TRIBUTARY	E. COLI
UPPER WABASH	5120107020090	CARROLL CO	INB0729_T1002	WILDCAT CREEK (PRINCE WM RD)-UNNAMED TRIBUTARY	E. COLI
UPPER WABASH	5120107020090	CARROLL CO	INB0729_T1003	WILDCAT CREEK-UNNAMED TRIBUTARY	E. COLI
UPPER WABASH	5120107020090	CARROLL CO	INB0729_T1004	WILDCAT CREEK-UNNAMED TRIBUTARY	E. COLI

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
UPPER WABASH	5120107020090	CARROLL CO	INB0729_T1015	WILDCAT CREEK (U/S OF UNNAMED TRIBUTARY AT PRINCE WM RD)	E. COLI
UPPER WABASH	5120107020090	CARROLL CO	INB0729_T1016	WILDCAT CREEK (D/S OF UNNAMED TRIBUTARY AT PRINCE WM RD)	E. COLI
UPPER WABASH	5120107020100	TIPPECANOE CO	INB072A_T1016	WILDCAT CREEK - MAINSTEM	E. COLI
UPPER WABASH	5120107030010	CLINTON CO	INB0731_00	WILDCAT CREEK, MIDDLE FORK	E. COLI
UPPER WABASH	5120107030010	CLINTON CO	INB0731_T1041	WILDCAT CREEK, MIDDLE FORK HEADWATERS	E. COLI
UPPER WABASH	5120107030010	CLINTON CO	INB0731_T1042	WILDCAT CREEK, MIDDLE FORK- UNNAMED TRIBUTARY	E. COLI
UPPER WABASH	5120107030010	CLINTON CO	INB0731_T1043	WHITEMAN DITCH	E. COLI
UPPER WABASH	5120107030010	CLINTON CO	INB0731_T1044	HARNESS DITCH	E. COLI
UPPER WABASH	5120107030020	CARROLL CO	INB0732_00	WILDCAT CREEK, MIDDLE FORK	E. COLI
UPPER WABASH	5120107030020	CLINTON CO	INB0732_T1040	WILDCAT CREEK, MIDDLE FORK- UNNAMED TRIBUTARY	E. COLI
UPPER WABASH	5120107030020	CARROLL CO	INB0732_T1042	WILDCAT CREEK, MIDDLE FORK	E. COLI
UPPER WABASH	5120107030020	CARROLL CO	INB0732_T1043	MIDDLE FORK BRANCH- SCOFIELD DITCH	E. COLI
UPPER WABASH	5120107030020	CLINTON CO	INB0732_T1044	ROBERTSON BRANCH	E. COLI
UPPER WABASH	5120107030030	CLINTON CO	INB0733_T1027	SILVERTHORN BRANCH DOWNSTREAM OF ROSSVILLE STP	E. COLI
UPPER WABASH	5120107030040	CLINTON CO	INB0734_00	CAMPBELLS RUN AND TRIBUTARIES	E. COLI
UPPER WABASH	5120107030040	CLINTON CO	INB0734_T1045	CAMPBELLS RUN - MAINSTEM	E. COLI
UPPER WABASH	5120107030050	CLINTON CO	INB0735_00	CRIBE RUN	E. COLI
UPPER WABASH	5120107030050	CLINTON CO	INB0735_T1046	CAMPBELLS RUN	E. COLI
UPPER WABASH	5120107030060	TIPPECANOE CO	INB0736_00	WILDCAT CREEK (UPSTREAM OF TRIBUTARIES)	E. COLI
UPPER WABASH	5120107030060	CLINTON CO	INB0736_01	WILDCAT CREEK (DOWNSTREAM OF TRIBUTARIES)	E. COLI
UPPER WABASH	5120107030060	TIPPECANOE CO	INB0736_T1001	WILDCAT CREEK-UNNAMED TRIBUTARY	E. COLI
UPPER WABASH	5120107030060	TIPPECANOE CO	INB0736_T1002	WILDCAT CREEK-UNNAMED TRIBUTARY	E. COLI
UPPER WABASH	5120107030060	TIPPECANOE CO	INB0736_T1003	HOG RUN-UNNAMED TRIBUTARY	E. COLI
UPPER WABASH	5120107030060	CLINTON CO	INB0736_T1004	HOG RUN	E. COLI
UPPER WABASH	5120107050010	TIPPECANOE CO	INB0751_T1024	WILDCAT CREEK - OSRW	E. COLI

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
UPPER WABASH	5120107050010	TIPPECANOE CO	INB0751_T1028	WILDCAT CREEK	E. COLI
LOWER WABASH	5120111160030	SULLIVAN CO	INB11G3_01	BUSSEY CREEK, WEST FORK	E. COLI
LOWER WABASH	5120111160040	SULLIVAN CO	INB11G4_T1024	SULPHUR CREEK	IMPAIRED BIOTIC COMMUNITIES
LOWER WABASH	5120111160040	SULLIVAN CO	INB11G4_T1024	SULPHUR CREEK	PH
LOWER WABASH	5120111160100	SULLIVAN CO	INB11GA_00	BUSSEY CREEK-ROBBINS CREEK	NUTRIENTS
GREAT LAKES	4040001040030	PORTER CO	INC0143_T1002C	CHRISMAN DITCH	E. COLI
GREAT LAKES	4040001050020	PORTER CO	INC0152_T1002	SALT CREEK - UNNAMED TRIBUTARY	E. COLI
GREAT LAKES	4040001050020	PORTER CO	INC0152_T1002	SALT CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	4040001050050	PORTER CO	INC0155_T1017	SALT CREEK	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	4040001060040	PORTER CO	INC0164_T1108	PORTAGE BURNS WATERWAY	PCBS IN FISH TISSUE
GREAT LAKES	4040001100050	LA PORTE CO	INC01A5_T1071	GALENA RIVER	E. COLI
GREAT MIAMI	5080003020060	WAYNE CO	ING0326_T1001	FRANKLIN CREEK	E. COLI
GREAT MIAMI	5080003080030	FRANKLIN CO	ING0383_00	BLUE CREEK - NEUKAM BRANCH	E. COLI
UPPER ILLINOIS	7120001010110	LA PORTE CO	INK011B_T1001	COLLINS DITCH - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	7120001030010	LA PORTE CO	INK0131_T1003	KANKAKEE RIVER-MAINSTEM	PCBS IN FISH TISSUE
UPPER ILLINOIS	7120001030030	LA PORTE CO	INK0133_T1004	KANKAKEE RIVER-MAINSTEM	PCBS IN FISH TISSUE
UPPER ILLINOIS	7120001030040	LA PORTE CO	INK0134_T1005	KANKAKEE RIVER-MAINSTEM	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	7120001030040	LA PORTE CO	INK0134_T1005	KANKAKEE RIVER-MAINSTEM	PCBS IN FISH TISSUE
UPPER ILLINOIS	7120001030080	LA PORTE CO	INK0138_T1006	KANKAKEE RIVER-MAINSTEM	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	7120001030080	LA PORTE CO	INK0138_T1006	KANKAKEE RIVER-MAINSTEM	PCBS IN FISH TISSUE
UPPER ILLINOIS	7120001030120	LA PORTE CO	INK013C_T1007	KANKAKEE RIVER-MAINSTEM	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	7120001030120	LA PORTE CO	INK013C_T1007	KANKAKEE RIVER-MAINSTEM	PCBS IN FISH TISSUE
UPPER ILLINOIS	7120001040060	LA PORTE CO	INK0146_T1008	KANKAKEE RIVER	IMPAIRED BIOTIC COMMUNITIES

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
UPPER ILLINOIS	7120001040060	LA PORTE CO	INK0146_T1008	KANKAKEE RIVER	PCBS IN FISH TISSUE
UPPER ILLINOIS	7120001040070	LA PORTE CO	INK0147_T1009	KANKAKEE RIVER	PCBS IN FISH TISSUE
UPPER ILLINOIS	7120001060060	STARKE CO	INK0166_01	YELLOW RIVER	PCBS IN FISH TISSUE
UPPER ILLINOIS	7120001060100	STARKE CO	INK016A_T1001	YELLOW RIVER - UNNAMED TRIBUTARY	PCBS IN FISH TISSUE
UPPER ILLINOIS	7120001080030	LA PORTE CO	INK0183_M1011	KANKAKEE RIVER-ENGLISH LAKE	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	7120001080030	LA PORTE CO	INK0183_M1011	KANKAKEE RIVER-ENGLISH LAKE	PCBS IN FISH TISSUE
UPPER ILLINOIS	7120001080070	LA PORTE CO	INK0187_M1012	KANKAKEE RIVER	PCBS IN FISH TISSUE
UPPER ILLINOIS	7120001100010	JASPER CO	INK01A1_01	WOLF CREEK (UPSTREAM OF SR 49)	PCBS IN FISH TISSUE
UPPER ILLINOIS	7120001100010	JASPER CO	INK01A1_02	WOLF CREEK (DOWNSTREAM OF SR 49)	PCBS IN FISH TISSUE
UPPER ILLINOIS	7120001100010	JASPER CO	INK01A1_T1003	LATERAL NO 77	PCBS IN FISH TISSUE
UPPER ILLINOIS	7120001100010	JASPER CO	INK01A1_T1004	WOLF CREEK - UNNAMED TRIBUTARY	PCBS IN FISH TISSUE
UPPER ILLINOIS	7120001100010	JASPER CO	INK01A1_T1005	WOLF CREEK - UNNAMED TRIBUTARY	PCBS IN FISH TISSUE
UPPER ILLINOIS	7120001100010	JASPER CO	INK01A1_T1006	SCRADER DITCH	PCBS IN FISH TISSUE
UPPER ILLINOIS	7120001100010	JASPER CO	INK01A1_T1006A	SCHRADER DITCH - UNNAMED TRIBUTARY	PCBS IN FISH TISSUE
UPPER ILLINOIS	7120001100010	JASPER CO	INK01A1_T1007	WOLF CREEK - UNNAMED TRIBUTARY (WHEATFIELD, IN)	PCBS IN FISH TISSUE
UPPER ILLINOIS	7120001100010	JASPER CO	INK01A1_T1008	WOLF CREEK - UNNAMED TRIBUTARY	PCBS IN FISH TISSUE
UPPER ILLINOIS	7120001110030	NEWTON CO	INK01B3_M1020A	KANKAKEE RIVER	PCBS IN FISH TISSUE
UPPER ILLINOIS	7120001130010	LAKE CO	INK01D1_02	STONY RUN, EAST BRANCH	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	7120001130010	LAKE CO	INK01D1_03	STONY RUN, MIDDLE BRANCH	CHLORIDES
UPPER ILLINOIS	7120001130010	LAKE CO	INK01D1_03	STONY RUN, MIDDLE BRANCH	NUTRIENTS
UPPER ILLINOIS	7120001130020	LAKE CO	INK01D2_01	STONY RUN HEADWATER	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	7120002050060	NEWTON CO	INK0256_02A	KENT DITCH (KENTLAND, IN)	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	7120003030050	LAKE CO	INK0335_T1004	LITTLE CALUMET RIVER	CHLORIDES
UPPER ILLINOIS	7120003030050	LAKE CO	INK0335_T1004	LITTLE CALUMET RIVER	DISSOLVED OXYGEN
UPPER ILLINOIS	7120003030050	LAKE CO	INK0335_T1004	LITTLE CALUMET RIVER	PCBS IN FISH TISSUE

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
UPPER ILLINOIS	7120003030050	LAKE CO	INK0335_T1005	LITTLE CALUMET RIVER	CHLORIDES
UPPER ILLINOIS	7120003030050	LAKE CO	INK0335_T1005	LITTLE CALUMET RIVER	DISSOLVED OXYGEN
UPPER ILLINOIS	7120003030050	LAKE CO	INK0335_T1005	LITTLE CALUMET RIVER	PCBS IN FISH TISSUE
UPPER ILLINOIS	7120003030060	LAKE CO	INK0336_T1002	LITTLE CALUMET RIVER	CHLORIDES
UPPER ILLINOIS	7120003030060	LAKE CO	INK0336_T1002	LITTLE CALUMET RIVER	DISSOLVED OXYGEN
UPPER ILLINOIS	7120003030060	LAKE CO	INK0336_T1002	LITTLE CALUMET RIVER	PCBS IN FISH TISSUE

The impairment shown in Table 9 was incorrectly added to the draft 303(d) list due to a typographical error. However, the correct AUID, ING037D_00 was resegmented and correctly retired in the draft 303(d) list. Therefore the impairment identified on ING037D_00 was not incorporated into the finalized list and was instead applied to the new AUIDs resulting from its resegmentation and added back to Category 5 as appropriate.

Table 9: Waterbody impairment originally proposed for Category 5 of the draft 303(d) list in error. This impairment has not been incorporated into the finalized list but has instead been incorporated into the finalized list under its new AUID.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
GREAT MIAMI	5080003070130	UNION CO	ING0370_00	SILVER CREEK - WHITEWATER LAKE	NUTRIENTS

Waterbody Impairments Removed from Category 5 Based on Approved TMDLs

For the 2010 cycle, IDEM received U.S. EPA approval for the following [TMDL reports](#):

- Total Maximum Daily Load Report for the Kankakee/Iroquois Watershed
- South Fork Wildcat Creek Watershed Pathogen, Sediment, and Nutrient TMDL Development
- Duck Creek, Pipe Creek, Killbuck Creek, and Stony Creek TMDLs for *E. coli* Bacteria

Based on these approved TMDLs, IDEM has placed a total of one hundred ninety six (196) impairments in Category 4A for the 2010 cycle, which includes one hundred forty eight (148) impairments previously listed in Category 5 and forty eight (48) new impairments identified as a result of reassessments conducted for TMDL development.

Waterbody Impairments Removed from Category 5 as a Result of IDEM's Rotating Basin Assessments

For the draft 303(d) list, IDEM proposed to remove a total of fifteen (15) impairments from Category 5A of the Consolidated List based on routine assessments and a statewide assessment of macroinvertebrate data collected for the development of IDEM's new macroinvertebrate index of biotic integrity, which is described in more detail in IDEM's CALM (Attachment 2).

After the draft list was published, IDEM found that four (4) of the impairments proposed to be removed from Category 5 based on rotating basin assessments were never identified as

impaired on the 303(d) list (Table 10). This is because the assessment information considered for these reaches was applied to new AUIDs resulting from resegmentation. As indicated in the draft 303(d) listing document, these reaches have been found to be meeting the applicable WQS for recreational uses. However, because they were never listed for impairments associated with this use, their removal now is simply a correction and does not reflect any real changes to the 303(d) list approved in 2008. IDEM also found that one (1) of the cyanide impairments originally proposed for delisting on the basis of rotating basin assessments is, in fact, impaired for free cyanide and was added back to the finalized 303(d) list (Table 32).

With these corrections, IDEM removed a total of ten (10) impairments from Category 5 for the 2010 cycle, which are identified in Attachment 1 (Table A5).

Table 10: Waterbody impairments originally proposed to be removed from Category 5 based on IDEM's rotating basin assessments but which were never previously listed.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
GREAT MIAMI	050800030802	FRANKLIN CO	ING0382_T1001	BLUE CREEK – UNNAMED TRIBUTARY	E. COLI
GREAT MIAMI	050800030802	FRANKLIN CO	ING0382_T1002	BLUE CREEK – UNNAMED TRIBUTARY	E. COLI
GREAT MIAMI	050800030802	FRANKLIN CO	ING0382_T1003	NEUKAM BRANCH	E. COLI
GREAT MIAMI	050800030802	FRANKLIN CO	ING0382_T1004	BLUE CREEK – UNNAMED TRIBUTARY	E. COLI

Waterbody Impairments Removed from Category 5 as a Result of Information Received after the 2008 303(d) List was Approved

IDEM routinely reviews its 303(d) list for errors and omissions and consistency with Indiana's WQS. In the draft 2010 303(d) list, IDEM's proposed to remove a number of impairments from Category 5 for various reasons including the change in Indiana's WQS for total dissolved solids, sulfate and cyanide, which was approved by U.S. EPA in 2007. At the time the draft list was published, IDEM was still in the process of completing the statewide reassessments necessary to incorporate these changes into the 303(d) list. Since then, IDEM has completed its statewide reassessment for sulfate and free cyanide and has made additional changes to the list based on this reassessment.

IDEM has also made additional changes to the finalized 303(d) list based on the change in Indiana's WQS from total metals criteria to dissolved metals criteria and IDEM's draft policy regarding the use of derived criteria (Tier I criteria and Tier II values) in its 305(b) assessment and 303(d) listing processes. These changes are discussed in more detail below.

For the 2010 cycle, a total of eighty nine (89) impairments were removed from Category 5A as a result of information received after the 2008 303(d) list was approved. These impairments are shown in Attachment 1 (Table A6).

Additional Impairments Removed from Category 5 Based on IDEM's Statewide Reassessment for Sulfate Completed after the Draft 303(d) List was Published

At the time the draft list was being developed, IDEM was in the process of completing a statewide reassessment for sulfates based on the change in Indiana's WQS from 250 mg/L criterion to calculated criteria, which are dependent on the chloride and hardness values associated with the sulfate results. IDEM has since completed this reassessment reviewing all recent and historical data upon which previous sulfate assessments were based. In addition to the

sulfate impairments originally proposed for delisting, IDEM has removed an additional nineteen (19) sulfate impairments which appeared on the 303(d) list approved in 2008 (Table 11). Specific reasons for delisting are provided in the table and are keyed to the following:

1. No data available for assessment. The data used to make original assessment not located on the waterbody listed as impaired.
2. Available data for the waterbody are insufficient for assessment purposes, because there are either less than the required number of results or applicable criteria cannot be calculated in accordance with Indiana's WQS.
3. Waterbody meets applicable criteria.

Table 11: Additional sulfate impairments to be removed from Category 5 based on statewide sulfate reassessment completed after the draft 303(d) list was published.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT	REASON
LOWER WABASH	05120111030060	VIGO CO	INB1136_T1033	SULPHUR CREEK UNNAMED TRIBUTARY 2 BASIN	SULFATE	1
LOWER WABASH	05120111030080	VIGO CO	INB1138_T1023	OTTER CREEK	SULFATE	1
LOWER WABASH	05120111160050	SULLIVAN CO	INB11G5_T1034	BIG BRANCH TRIBUTARY - GILMOUR	SULFATE	1
LOWER WABASH	05120111160080	SULLIVAN CO	INB11G8_T1036	BUSSERON CREEK	SULFATE	1
LOWER WABASH	05120111160090	SULLIVAN CO	INB11G9_00	BUTTERMILK CREEK	SULFATE	2
OHIO TRIBUTARIES	05140201140110	WARRICK CO	INE01EB_T1051	UNNAMED TRIB BARREN FORK	SULFATE	1
OHIO TRIBUTARIES	05140201150020	WARRICK CO	INE01F2_00	OTTER CREEK (LOWER)	SULFATE	2
OHIO TRIBUTARIES	05140201150050	SPENCER CO	INE01F5_T1005	LITTLE PIGEON CREEK	SULFATE	1
OHIO TRIBUTARIES	05140201160010	WARRICK CO	INE01G1_T1008	CYPRESS CREEK	SULFATE	1
OHIO TRIBUTARIES	05140201160020	WARRICK CO	INE01G2_T1009	CYPRESS CREEK	SULFATE	1
OHIO TRIBUTARIES	05140202020070	GIBSON CO	INE0227_T1030	SMITH FORK	SULFATE	1
OHIO TRIBUTARIES	05140202030050	WARRICK CO	INE0235_00	SQUAW CREEK	SULFATE	1
OHIO TRIBUTARIES	05140104180030	CRAWFORD CO	INN04J3_T1047	LITTLE BLUE RIVER	SULFATE	1
PATOKA	05120209050010	PIKE CO	INP0951_00	FLAT CREEK HEADWATERS	SULFATE	2
PATOKA	05120209050020	PIKE CO	INP0952_00	FLAT CREEK-BUCK CREEK	SULFATE	2
PATOKA	05120209060050	PIKE CO	INP0965_00	PATOKA RIVER-LICK MILL CREEKS	SULFATE	2
PATOKA	05120209060080	PIKE CO	INP0968_00	SUGAR CREEK (PIKE COUNTY)	SULFATE	2
WEST FORK WHITE	05120202060020	GREENE CO	INW0262_00	BLACK CREEK-BREWER DITCH	SULFATE	2
WEST FORK WHITE	05120202060030	GREENE CO	INW0263_00	BUCK CREEK (GREENE)	SULFATE	1

In accordance with IDEM's resegmentation procedure and U.S. EPA policy, impairments may not be removed from the 303(d) list solely on the basis of resegmentation. All impairments on a resegmented AU must be reevaluated to determine their applicability to the resulting new AU. In its draft list, IDEM proposed to remove a total of three (3) sulfate impairments from Category 5 based on resegmentation pending reassessment. With the statewide sulfate reassessment now complete, these impairments have instead been removed for the reasons shown in Table 12.

Table 12: Sulfate impairments originally proposed to be removed as a result of resegmentation but which have been removed instead based on IDEM's statewide sulfate reassessment results.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT	REASON
LOWER WABASH	05120111160040	SULLIVAN CO	INB11G4_T1024	SULPHUR CREEK	SULFATE	2
LOWER WABASH	05120111160060	SULLIVAN CO	INB11G6_00	BIG BRANCH-MUD CREEK	SULFATE	2
LOWER WABASH	05120111160070	SULLIVAN CO	INB11G7_T1035	BUSSEY CREEK-HYMER	SULFATE	2

In its draft 303(d) list, IDEM proposed to add the sulfate impairments shown in Table 13 Category 5 based on resegmentation. Based on the results of IDEM's statewide reassessment for sulfate, these impairments were not added to the finalized list under their new AUIDs as originally proposed. IDEM also proposed to add another sulfate impairment based on its rotating basin assessments (Table 14). However, IDEM has found that the available data do not support listing of this waterbody as impaired for sulfate as originally proposed. IDEM's reasons for not incorporating these impairments into the finalized list are provided in the tables and are keyed to the same reasons as those shown for Table 11.

Table 13: Sulfate impairments originally proposed to be added to Category 5 based on resegmentation and reassessment of data applied to the original AU resegmented.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT	REASON
LOWER WABASH	5120111160040	SULLIVAN CO	INB11G4_T1003	SULPHUR CREEK (HEADWATERS)	SULFATE	1
LOWER WABASH	5120111160040	SULLIVAN CO	INB11G4_T1004	SULPHUR CREEK	SULFATE	1
LOWER WABASH	5120111160040	SULLIVAN CO	INB11G4_T1005	SULPHUR CREEK	SULFATE	1
LOWER WABASH	5120111160040	SULLIVAN CO	INB11G6_02	BIG BRANCH	SULFATE	1
LOWER WABASH	5120111160060	GREENE CO/SULLIVAN CO	INB11G6_03	MUD CREEK	SULFATE	1
LOWER WABASH	5120111160060	SULLIVAN CO	INB11G6_04	MUD CREEK	SULFATE	1
LOWER WABASH	5120111160060	SULLIVAN CO	INB11G7_01	BUSSEY CREEK	SULFATE	1
LOWER WABASH	5120111160070	SULLIVAN CO	INB11G7_02A	KETTLE CREEK (UPSTREAM OF BUSSEY LAKE NO. J1)	SULFATE	1
LOWER WABASH	5120111160070	SULLIVAN CO	INB11G7_02B	KETTLE CREEK (BETWEEN BUSSEY AND GOOSE LAKES)	SULFATE	1

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT	REASON
LOWER WABASH	5120111160070	SULLIVAN CO	INB11G9_01	BUTTERMILK CREEK	SULFATE	1
LOWER WABASH	5120111160090	SULLIVAN CO	INB11G9_02	BUTTERMILK CREEK	SULFATE	1
LOWER WABASH	5120111160090	SULLIVAN CO	INB11G9_03	BUTTERMILK CREEK	SULFATE	1
LOWER WABASH	5120111160090	SULLIVAN CO	INB11GA_01	BUSSEY CREEK	SULFATE	1
LOWER WABASH	5120111160090	SULLIVAN CO	INB11GA_02	BUCK CREEK - UNNAMED TRIBUTARY	SULFATE	1
LOWER WABASH	5120111160100	SULLIVAN CO	INB11GA_03	ROBBINS BRANCH	SULFATE	1
LOWER WABASH	5120111160110	SULLIVAN CO	INB11GD_01	BUSSEY CREEK	SULFATE	3
LOWER WABASH	5120111160110	SULLIVAN CO	INB11GD_01	BUSSEY CREEK	SULFATE	3
LOWER WABASH	5120111160110	SULLIVAN CO	INB11GD_02	BUSSEY CREEK	SULFATE	1
GREAT LAKES	40400010102	LAPORTE CO	INC0112G_G1092	MICHIGAN, LAKE (SHORELINE)	SULFATE	1

Table 14: Sulfate impairment originally proposed to be added to Category 5 based on rotating basin assessments but which were not incorporated into the finalized 303(d) list.

BASIN	COUNTY	HYDROLOGIC UNIT CODE	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT	REASON
PATOKA	5120209080020	PIKE CO	INP0982_00	EAST FORK KEG CREEK	SULFATE	1

Additional Impairments Removed from Category 5 Based on IDEM's Statewide Reassessment for Cyanide Completed after the Draft 303(d) List was Published

At the time the draft list was being developed, IDEM was in the process of completing a statewide reassessment for cyanide based on the change in Indiana's WQS from a total cyanide criterion to a free cyanide criterion. IDEM has since completed this reassessment reviewing all recent and historical data upon which previous cyanide assessments were based.

Since the draft 303(d) list was published, IDEM removed three (3) additional cyanide impairments from Category 5 based on IDEM's statewide reassessment for cyanide for the reasons shown in (Table 15).

Table 15: Cyanide impairments identified on the 2008 303(d) list which were removed from Category 5 based on IDEM's statewide cyanide reassessment completed after the draft 2010 303(d) list was published.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT	REASON
UPPER ILLINOIS	7120003030050	LAKE CO	INK0335_T1005	LITTLE CALUMET RIVER	CYANIDE	1
UPPER ILLINOIS	7120003030060	LAKE CO	INK0336_T1002	LITTLE CALUMET RIVER	CYANIDE	1
WEST FORK WHITE	5120202020040	OWEN CO	INW0224_M1011	WHITE RIVER	CYANIDE	1

In its draft list, IDEM proposed to add the AU shown in Table 16 for free cyanide based on its rotating basin assessments. However, upon finalizing IDEM's statewide reassessment for cyanide, it was determined that this AU meets the applicable water quality criterion for free

cyanide. Therefore, this AU was not incorporated into the finalized 303(d) list as originally proposed. IDEM also proposed to add the reaches shown in Table 17 back to Category 5 as a result of resegmentation. However, IDEM's statewide reassessment for cyanide confirmed that there is no free cyanide data to support adding these impairments to the finalized 303(d) list as originally proposed. IDEM's reasons for not incorporating these proposed impairments into its finalized list are the same as those identified for sulfate delistings described in the previous section and are keyed accordingly in the following tables.

Table 16: Cyanide impairment originally proposed to be added to Category 5 based on rotating basin assessments but which was not incorporated into the finalized 303(d) list.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT	REASON
GREAT LAKES	04040001060040	PORTER CO	INC0164_T1108	PORTAGE BURNS WATERWAY	CYANIDE	3

Table 17: Cyanide impairment originally proposed to be added to Category 5 based on resegmentation but which was not incorporated into the finalized 303(d) list.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT	REASON
UPPER WABASH	51201070109	HOWARD CO	INB0719_01	WILDCAT CREEK	CYANIDE	1
GREAT LAKES	4040001040020	LAKE CO	INC0158_T1005	LITTLE CALUMET RIVER	CYANIDE	1

Additional Impairments Removed from Category 5 after the Draft 303(d) List was Published based on Changes to Indiana's WQS for Metals

In 2005, U.S. EPA approved a change in Indiana's WQS to the aquatic life criteria for metals in waters outside of the Great Lakes basin, changing from total recoverable metals criteria to dissolved metals criteria². This change was made because the dissolved fraction is a more accurate representation of the biologically active portion of the metal than is the total or total recoverable fraction and is thus more appropriate for the protection of aquatic life.

In the WQS, criteria for total recoverable metals are provided for certain metals³ along with conversion factors that are used to obtain a dissolved criterion for use in 305(b) assessments and 303(d) listing decisions. Until now, all of IDEM's metals assessments have been based on total recoverable metals results because most of the available water quality data is for the total metals as opposed to the dissolved fraction. However, IDEM has determined that using the total recoverable criteria expressed in Indiana's WQS for 305(b) assessments and 303(d) listing decisions is not appropriate because doing so may result in an overestimation of toxicity. Given this and U.S. EPA's recommendation that dissolved metal concentrations be used for the application of metals aquatic life criteria (U.S. EPA, 1996), IDEM plans to complete a statewide reassessment of all readily available dissolved metals data for the 2012 cycle.

² Indiana's downstate WQS still contain total recoverable metals criteria for mercury and selenium (327 IAC 2-1-6, Table 6-1).

³ Indiana's WQS contain dissolved metals criteria for arsenic (III), cadmium, chromium III, chromium (VI), copper, lead, nickel, silver and zinc (327 IAC 2-1-6, Table 6-2). These are presently the only dissolved metals for which IDEM has applicable dissolved criteria with which 304(b) assessments and 303(d) listing decisions can be made. It should be noted that Indiana's WQS do not contain either total or dissolved criteria for aluminum and iron. For the draft 2010 303(d) list, assessments of aluminum and iron were made based on Tier I criteria developed for NPDES permit purposes. The use of Tier I and Tier II criteria in 305(b) assessments and 303(d) listing decisions are discussed elsewhere in this document.

In the meantime, IDEM has identified seven (7) total metals impairments in Category 5 that must now be delisted based on the change in Indiana's WQS to dissolved metals criteria (Table 18). IDEM has verified that all of these assessments were based on total metals results for which there are no applicable criteria.

Table 18: Total metals impairments removed from Category 5 List since the draft 303(d) list was published.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
UPPER WABASH	5120106010040	KOSCIUSKO CO	INB0614_T1001	GAFF DITCH	LEAD
LOWER WABASH	5120108040110	FOUNTAIN CO	INB084B_T1046	BIG PINE CREEK - BROWN DT TO PINE VILLAGE	LEAD
LOWER WABASH	5120111160040	SULLIVAN CO	INB11G4_T1024*	SULPHUR CREEK	COPPER
LOWER WABASH	5120111160040	SULLIVAN CO	INB11G4_T1024*	SULPHUR CREEK	NICKEL
LOWER WABASH	5120111160040	SULLIVAN CO	INB11G4_T1024*	SULPHUR CREEK	ZINC
PATOKA	5120209040070	DUBOIS CO	INP0947_T1007	PATOKA RIVER	LEAD
EAST FORK WHITE	5120208100030	MARTIN CO	INW08A3_M1058	EAST FORK WHITE RIVER	LEAD

*The nickel impairment associated with this reach was originally proposed for delisting due to resegmentation and was added back to the draft list under its new AUID, INB11G4_T1003, INB11G4_T1004, and INB11G4_T1005. The copper and zinc impairments originally associated with original AUID were not proposed for delisting due to resegmentation but were proposed to be added back under their new AUIDs to the draft 303(d) list.

In addition to the previously listed impairments removed from Indiana's finalized 303(d) list, IDEM proposed to add a total of fifteen (15) metals impairments to Category 5 of the draft 303(d) list based on routine assessments and another eleven (11) based on resegmentations (Tables 19 and 20). These impairments were not incorporated into the finalized list because they were also based on total metals results.

Table 19: Waterbody impairments originally proposed to be added to Indiana's draft 303(d) list (Category 5) based on total metals results and IDEM's rotating basin assessments.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
PATOKA	5120209060090	PIKE CO	INP0969_T1015	PATOKA RIVER	LEAD
WEST FORK WHITE	5120201040100	MADISON CO	INW014A_T1019	WHITE RIVER-PERKINSVILLE	LEAD
WEST FORK WHITE	5120201080070	HAMILTON CO	INW0187_00	CICERO CREEK-WEASEL CREEK	ZINC
WEST FORK WHITE	5120201100120	HAMILTON CO	INW01AC_T1046	FALL CREEK	LEAD
WEST FORK WHITE	5120202020040	OWEN CO	INW0224_M1011	WHITE RIVER	LEAD
WEST FORK WHITE	5120202070020	KNOX CO	INW0272_M1036	WHITE RIVER	LEAD
WEST FORK WHITE	5120203040020	PUTNAM CO	INW0342_T1007	BIG WALNUT CREEK	ZINC
WEST FORK WHITE	5120203060120	PUTNAM CO	INW036C_00	MILL CREEK-VERMILLION/HIGGENS BRANCHES	ZINC
WEST FORK WHITE	5120203080030	CLAY CO	INW0383_00	EEL RIVER-TURKEY CREEK	ZINC

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
WEST FORK WHITE	5120203090140	GREENE CO	INW039D_T1025	EEL RIVER	LEAD
EAST FORK WHITE	5120206040030	JACKSON CO	INW0643_M1016	EAST FORK WHITE RIVER	LEAD
EAST FORK WHITE	5120207050030	RIPLEY CO	INW0753_00	NORTH FORK-HONEY CREEK/SQUARE RUN	COPPER
EAST FORK WHITE	5120207070010	JENNINGS CO	INW0771_00	VERNON FORK-CROSLEY LAKE	LEAD
EAST FORK WHITE	5120207090060	WASHINGTON CO	INW0796_T1003	MUSCATATUCK RIVER (DOWNSTREAM OF VERNON FORK)	LEAD
EAST FORK WHITE	5120208110100	MARTIN CO	INW08BA_00	INDIAN CREEK	LEAD

Table 20: Waterbody impairments originally proposed to be added to Indiana's draft 303(d) list (Category 5) based on total metals results and resegmentation.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
LOWER WABASH	5120111160040	SULLIVAN CO	INB11G4_T1003	SULPHUR CREEK (HEADWATERS)	COPPER
LOWER WABASH	5120111160040	SULLIVAN CO	INB11G4_T1003	SULPHUR CREEK (HEADWATERS)	NICKEL
LOWER WABASH	5120111160040	SULLIVAN CO	INB11G4_T1003	SULPHUR CREEK (HEADWATERS)	ZINC
LOWER WABASH	5120111160040	SULLIVAN CO	INB11G4_T1004	SULPHUR CREEK	COPPER
LOWER WABASH	5120111160040	SULLIVAN CO	INB11G4_T1004	SULPHUR CREEK	NICKEL
LOWER WABASH	5120111160040	SULLIVAN CO	INB11G4_T1004	SULPHUR CREEK	ZINC
LOWER WABASH	5120111160040	SULLIVAN CO	INB11G4_T1005	SULPHUR CREEK	COPPER
LOWER WABASH	5120111160040	SULLIVAN CO	INB11G4_T1005	SULPHUR CREEK	NICKEL
LOWER WABASH	5120111160040	SULLIVAN CO	INB11G4_T1005	SULPHUR CREEK	ZINC
LOWER WABASH	5120111160040	SULLIVAN CO	INB11G6_02	BIG BRANCH	ZINC
LOWER WABASH	5120111160060	GREENE CO	INB11G6_03	MUD CREEK	ZINC

Changes to the Draft 303(d) List Based on IDEM's Decisions Regarding the Use of Derived Criteria (Tier I Criteria and Tier II Values) in 305(b) Assessments and 303(d) Listing Decisions

In the draft 303(d) list, IDEM proposed to add a number of impairments to Category 5 based on water quality assessments in which derived criteria (Tier I criteria or Tier II values were applied). In response to numerous issues raised during the public comment period, IDEM has decided not to use derived criteria in its 305(b) assessment and 303(d) listing decisions, nor for the development of TMDLs. More information on the issues surrounding IDEM's initial use of derived criteria and the rationale behind IDEM's subsequent decision to discontinue their use in these processes can be found in the public comments received and IDEM's responses (Attachment 5).

Indiana's WQS provide methods for the calculation of derived criteria for substances for which numeric criteria are not specifically articulated in the standards to ensure that the concentration of a substance or combination of substances does not become acutely toxic to aquatic organisms or produce chronic effects on them⁴. These methods are used by IDEM's National Pollutant Discharge Elimination System (NPDES) Program in order to help develop appropriate permit limits to ensure that discharges do not cause or contribute to water quality impairment. Thus, IDEM's calculation of derived criteria is a permit-driven process.

Tier I criteria meet all the requirements necessary to be incorporated into Indiana's WQS. However, they have not been promulgated into Indiana's Administrative Code. Tier II values are derived in accordance with the methods outlined in Indiana's WQS, but are calculated using a smaller data set than that required for the development of Tier I criteria. In most cases, this is due to a lack of data for one or more of the required sensitive species. The methods for calculating Tier II values compensate for this lack of data and typically result in values that are more stringent than Tier I criteria for a given substance.

Both Tier I criteria and Tier II values are scientifically defensible for use in developing NPDES permit limits if calculated in accordance with the methods outlined in Indiana's WQS. However, until these criteria go through the full rulemaking process described in IC 13-14-9 and IC 4-22-2, they cannot also be used to make 305(b) assessment and 303(d) listing decisions nor be used to develop TMDLs, which may affect NPDES permitted facilities.

Based on this decision, those waters originally identified as impaired based on the use of derived criteria are no longer considered by IDEM to be impaired. A total of one hundred thirty eight (138) impairments were identified based on IDEM's use of derived criteria and were proposed to be added to Category 5A of Indiana's draft 303(d) list (Table 21). Based on IDEM's decision to limit the use of these criteria to NPDES permit development, these waters are no longer considered impaired for the parameters originally identified and were therefore not added to Category 5 of the finalized list. In addition to these, a total of eighteen (18) impairments were originally proposed to be placed in Category 4A of IDEM's Consolidated List based on completion of a TMDL (Table 22). All of the reaches originally assessed as impaired based on derived criteria will remain in Category 3 of the Indiana's Consolidated List for these parameters until applicable water quality criteria are available with which to make assessments.

Table 21: Waterbody impairments originally proposed to be added to Category 5 based on IDEM's use of derived criteria and rotating basin assessments.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
GREAT MIAMI	50800030103	WAYNE CO	ING0313_06	NETTLE CREEK	IRON
GREAT MIAMI	50800030108	WAYNE CO	ING0318_01	WHITEWATER RIVER	ALUMINUM
GREAT MIAMI	50800030202	RANDOLPH CO	ING0322_T1012	BLOOMINGPORT CREEK	ALUMINUM
GREAT MIAMI	50800030204	WAYNE CO	ING0324_01	GREENS FORK	IRON
GREAT MIAMI	50800030305	FAYETTE CO	ING0335_01	NOLANDS FORK	IRON
GREAT MIAMI	50800030408	FRANKLIN CO	ING0348_02	WHITEWATER RIVER	IRON
GREAT MIAMI	50800030502	FRANKLIN CO	ING0352_01	SALT CREEK	ALUMINUM

⁴ The methods for deriving Tier I criteria and Tier II values in the Great Lakes Basin are described in 327 IAC 2-1.5-Sections 11 and 13 through 16 (for Tier I) and Sections 12-16 (for Tier II). The methods for deriving the equivalent of Tier I and Tier II values for downstate waters are described in 327 IAC 2-1 Sections 8.2 and 8.3.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
GREAT MIAMI	50800030502	DECATUR CO	ING0352_T1003	RIGHTHAND FORK SALT CREEK	ALUMINUM
GREAT MIAMI	50800030502	FRANKLIN CO	ING0352_T1006	RIGHTHAND FORK SALT CREEK	ALUMINUM
GREAT MIAMI	50800030605	FRANKLIN CO	ING0365_01	WHITEWATER RIVER	ALUMINUM
GREAT MIAMI	50800030605	FRANKLIN CO	ING0365_02	WHITEWATER CANAL	ALUMINUM
GREAT MIAMI	50800030605	FRANKLIN CO	ING0365_T1002	SNAIL CREEK	ALUMINUM
GREAT MIAMI	50800030605	FRANKLIN CO	ING0365_T1003	MCCARTYS RUN	ALUMINUM
GREAT MIAMI	50800030605	FRANKLIN CO	ING0365_T1004	BUTLERS RUN	ALUMINUM
GREAT MIAMI	50800030605	FRANKLIN CO	ING0365_T1008	YELLOW BANK CREEK	ALUMINUM
GREAT MIAMI	50800030709	WAYNE CO	ING0379_01	WHITEWATER RIVER, EAST FORK	IRON
GREAT MIAMI	50800030711	UNION CO	ING037B_01	WHITEWATER RIVER, EAST FORK	ALUMINUM
GREAT MIAMI	50800030713	UNION CO	ING037D_02	RICHLAND CREEK	ALUMINUM
GREAT MIAMI	50800030714	UNION CO	ING037E_05	HANNA CREEK	ALUMINUM
GREAT MIAMI	50800030714	UNION CO	ING037E_06	HANNA CREEK	ALUMINUM
GREAT MIAMI	50800030714	UNION CO	ING037E_T1001	DUBOIS CREEK	ALUMINUM
GREAT MIAMI	50800030717	UNION CO	ING037H_T1001	WHITEWATER RIVER, EAST FORK – UNNAMED TRIBUTARY	ALUMINUM
GREAT MIAMI	50800030717	UNION CO	ING037H_T1003	WHITEWATER RIVER, EAST FORK – UNNAMED TRIBUTARY	ALUMINUM
GREAT MIAMI	50800030717	FRANKLIN CO	ING037H_T1006	WHITEWATER RIVER, EAST FORK – UNNAMED TRIBUTARY	ALUMINUM
GREAT MIAMI	50800030717	FRANKLIN CO	ING037H_T1007	WHITEWATER RIVER, EAST FORK – UNNAMED TRIBUTARY	ALUMINUM
GREAT MIAMI	50800030717	FRANKLIN CO	ING037H_T1010	WOLF CREEK	ALUMINUM
GREAT MIAMI	50800030717	FRANKLIN CO	ING037H_T1011	WHITEWATER RIVER, EAST FORK – UNNAMED TRIBUTARY	ALUMINUM
GREAT MIAMI	50800030717	FRANKLIN CO	ING037H_T1018	WHITEWATER RIVER, EAST FORK – UNNAMED TRIBUTARY	ALUMINUM
GREAT MIAMI	50800030803	FRANKLIN CO	ING0383_T1005	POSSUM HOLLOW	IRON
GREAT MIAMI	50800030804	FRANKLIN CO	ING0384_01	WHITEWATER RIVER	ALUMINUM
GREAT MIAMI	50800030804	FRANKLIN CO	ING0384_T1004	WHITYEWATER RIVER – UNNAMED TRIBUTARY	ALUMINUM
GREAT MIAMI	50800030804	FRANKLIN CO	ING0384_T1005	RICHLAND CREEK	ALUMINUM
GREAT MIAMI	50800030804	FRANKLIN CO	ING0384_T1006	GOBLES CREEK	ALUMINUM
GREAT MIAMI	50800030805	FRANKLIN CO	ING0385_01	WHITEWATER RIVER	ALUMINUM
GREAT MIAMI	50800030805	FRANKLIN CO	ING0385_01	WHITEWATER RIVER	IRON
GREAT MIAMI	50800030808	FRANKLIN CO	ING0388_01	SOURS RUN	ALUMINUM
GREAT MIAMI	50800030808	FRANKLIN CO	ING0388_T1005	SOURS RUN - UNNAMED TRIBUTARY	ALUMINUM
GREAT MIAMI	50800030808	FRANKLIN CO	ING0388_T1007	SATER RUN	ALUMINUM
PATOKA RIVER	5120209010050	ORANGE CO	INP0915_00	Youngs Creek	ALUMINUM
PATOKA RIVER	5120209020040	DUBOIS CO	INP0924_T1003	PATOKA RIVER	ALUMINUM

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
PATOKA RIVER	5120209020050	DUBOIS CO	INP0925_00	POISON CREEK-BAUER CREEK	ALUMINUM
PATOKA RIVER	5120209020060	DUBOIS CO	INP0926_T1004	PATOKA RIVER-LOND DITCH	ALUMINUM
PATOKA RIVER	5120209020080	DUBOIS CO	INP0928_T1005	PATOKA RIVER	ALUMINUM
PATOKA RIVER	5120209030030	DUBOIS CO	INP0933_00	Hall Creek	ALUMINUM
PATOKA RIVER	5120209030040	DUBOIS CO	INP0934_00	FLAT CREEK-RICHLAND CREEK	ALUMINUM
PATOKA RIVER	5120209030050	DUBOIS CO	INP0935_00	FLAT CREEK-LOWER	ALUMINUM
PATOKA RIVER	5120209030060	DUBOIS CO	INP0936_00	STRAIGHT RIVER	ALUMINUM
PATOKA RIVER	5120209040020	DUBOIS CO	INP0942_00	HUNLEY CREEK-HALO RUN/GREEN CREEK	ALUMINUM
PATOKA RIVER	5120209040070	DUBOIS CO	INP0947_T1007	PATOKA RIVER	ALUMINUM
PATOKA RIVER	5120209040080	DUBOIS CO	INP0948_00	PATOKA RIVER-CROOKED/ALTAR CREEKS	ALUMINUM
PATOKA RIVER	5120209040080	DUBOIS CO	INP0948_T1008	PATOKA RIVER	ALUMINUM
PATOKA RIVER	5120209050010	PIKE CO	INP0951_00	FLAT CREEK HEADWATERS	ALUMINUM
PATOKA RIVER	5120209060020	PIKE CO	INP0962_00	PATOKA RIVER-ROCK CREEK TRIBUTARYS	ALUMINUM
PATOKA RIVER	5120209060050	PIKE CO	INP0965_T1012	PATOKA RIVER	ALUMINUM
PATOKA RIVER	5120209060080	PIKE CO	INP0968_T1014	PATOKA RIVER	ALUMINUM
PATOKA RIVER	5120209070010	PIKE CO	INP0971_T1021	SOUTH FORK PATOKA RIVER	ALUMINUM
PATOKA RIVER	5120209070030	PIKE CO	INP0973_T1023	SOUTH FORK PATOKA RIVER	ALUMINUM
PATOKA RIVER	5120209080010	PIKE CO	INP0981_00	ROBINSON/BIG CREEKS TRIBUTARYS	ALUMINUM
PATOKA RIVER	5120209080020	GIBSON CO	INP0982_00	EAST FORK KEG CREEK	ALUMINUM
PATOKA RIVER	5120209080070	GIBSON CO	INP0987_T1019	PATOKA RIVER	ALUMINUM
WEST FORK WHITE	5120201040050	MADISON CO	INW0145_T1016	KILLBUCK CREEK	ALUMINUM
WEST FORK WHITE	5120201080010	TIPTON CO	INW0181_00	COX DITCH-CHRISTY/KIGIN DITCHES	ALUMINUM
WEST FORK WHITE	5120201090050	MARION CO	INW0195_M1054	WHITE RIVER-HAVERSTICK CREEK/HOWLAND DITCH TRIBUTARYS	ALUMINUM
WEST FORK WHITE	5120201100120	HAMILTON CO	INW01AC_T1046	FALL CREEK	ALUMINUM
WEST FORK WHITE	5120201120070	HAMILTON CO	INW01C7_00	LITTLE EAGLE BRANCH-WOODRUFF BRANCH	ALUMINUM
WEST FORK WHITE	5120201130020	MARION CO	INW01D2_M1059	WHITE RIVER	ALUMINUM
WEST FORK WHITE	5120201140080	MORGAN CO	INW01E8_T1121	NORTH PRONG STOTTS CREEK	ALUMINUM
WEST FORK WHITE	5120201140130	MORGAN CO	INW01ED_M1082	WHITE RIVER-HENDERSON BRIDGE	ALUMINUM
WEST FORK WHITE	5120201160010	MORGAN CO	INW01G1_M1092	WHITE RIVER	ALUMINUM
WEST FORK WHITE	5120201170070	MORGAN CO	INW01H7_T1103	INDIAN CREEK	ALUMINUM

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
WEST FORK WHITE	5120202010030	BROWN CO	INW0213_00	BEANBLOSSOM CREEK	ALUMINUM
WEST FORK WHITE	5120202020010	OWEN CO	INW0221_M1009	WHITE RIVER	ALUMINUM
WEST FORK WHITE	5120202020030	OWEN CO	INW0223_T1018	MCCORMICKS CREEK	ALUMINUM
WEST FORK WHITE	5120202020080	OWEN CO	INW0228_00	RACCOON CREEK-LICK CREEK	ALUMINUM
WEST FORK WHITE	5120202020130	OWEN CO	INW022D_00	FISH CREEK	ALUMINUM
WEST FORK WHITE	5120202040090	GREENE CO	INW0249_T1024	PLUMMER CREEK	ALUMINUM
WEST FORK WHITE	5120202050090	GREENE CO	INW0259_M1032	WHITE RIVER	ALUMINUM
WEST FORK WHITE	5120202070050	KNOX CO	INW0275_M1037	White River - Wheatland	ALUMINUM
WEST FORK WHITE	5120202080040	DAVIESS CO	INW0284_00	FLAT CREEK AND OTHER TRIBUTARYS	ALUMINUM
WEST FORK WHITE	5120202080070	DAVIESS CO	INW0287_00	KILLION CANAL AND OTHER TRIBUTARIES	ALUMINUM
WEST FORK WHITE	5120202090030	DAVIESS CO	INW0293_00	VEALE CREEK-LOWER	ALUMINUM
WEST FORK WHITE	5120202090070	KNOX CO	INW0297_M1040	WHITE RIVER	ALUMINUM
WEST FORK WHITE	5120202100030	KNOX CO	INW02A3_M1052	WHITE RIVER	ALUMINUM
WEST FORK WHITE	5120202100120	KNOX CO	INW02AC_M1056	WHITE RIVER	ALUMINUM
WEST FORK WHITE	5120203020070	PUTNAM CO	INW0327_T1005	BIG WALNUT CREEK	ALUMINUM
WEST FORK WHITE	5120203030050	PUTNAM CO	INW0335_00	LITTLE WALNUT CREEK-LONG BRANCH	ALUMINUM
WEST FORK WHITE	5120203060080	MORGAN CO	INW0368_00	LAKE DITCH-HEADWATERS	ALUMINUM
WEST FORK WHITE	5120203060120	PUTNAM CO	INW036C_00	MILL CREEK-VERMILLION/HIGGENS BRANCHES	ALUMINUM
WEST FORK WHITE	5120203080040	CLAY CO	INW0384_00	BIRCH CREEK-LITTLE BIRCH CREEK	ALUMINUM
WEST FORK WHITE	5120203090040	CLAY CO	INW0394_T1016	EEL RIVER	ALUMINUM
WEST FORK WHITE	5120203090050	CLAY CO	INW0395_T1019	CONNELLY DITCH-HEADWATERS	ALUMINUM
EAST FORK WHITE	5120204050050	SHELBY CO	INW0455_T1020	BIG BLUE RIVER	IRON
EAST FORK WHITE	5120204060050	HANCOCK CO	INW0465_T1032	SUGAR CREEK SMITH-JOHNSON DITCH	ALUMINUM
EAST FORK WHITE	5120204090080	JOHNSON CO	INW0498_T1038	SUGAR CREEK	IRON
EAST FORK WHITE	5120205020010	RUSH CO	INW0521_T1004	FLATROCK RIVER-GRAVEL PITS	IRON
EAST FORK WHITE	5120205020060	RUSH CO	INW0526_T1007	FLATROCK RIVER	ALUMINUM

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
EAST FORK WHITE	5120205050020	SHELBY CO	INW0552_T1013	FLATROCK RIVER-WILLOW PARK	IRON
EAST FORK WHITE	5120205060010	BARTHOLOME W CO	INW0561_M1015	EAST FORK WHITE R-COLUMBUS	IRON
EAST FORK WHITE	5120206010030	RUSH CO	INW0613_01	CLIFTY CREEK, NORTH FORK	ALUMINUM
EAST FORK WHITE	5120206010050	DECATUR CO	INW0615_00	CLIFTY CREEK	ALUMINUM
EAST FORK WHITE	5120206030190	JACKSON CO	INW063K_T1011	SAND CREEK	IRON
EAST FORK WHITE	5120206040030	JACKSON CO	INW0643_M1016	EAST FORK WHITE RIVER	ALUMINUM
EAST FORK WHITE	5120206040030	JACKSON CO	INW0643_M1016	EAST FORK WHITE RIVER	IRON
EAST FORK WHITE	5120206050040	BARTHOLOME W CO	INW0654_00	EAST FORK WHITE CREEK-UPPER	ALUMINUM
EAST FORK WHITE	5120206060050	JACKSON CO	INW0665_M1021	EAST FORK WHITE RIVER	ALUMINUM
EAST FORK WHITE	5120207020010	RIPLEY CO	INW0721_00	GRAHAM CREEK-HEADWATERS	ALUMINUM
EAST FORK WHITE	5120207020020	RIPLEY CO	INW0722_00	NORTH FORK GRAHAM CREEK	ALUMINUM
EAST FORK WHITE	5120207020030	RIPLEY CO	INW0723_00	GRAHAM CREEK-CAMPFIRE CREEK	ALUMINUM
EAST FORK WHITE	5120207020040	RIPLEY CO	INW0724_00	LITTLE GRAHAM CREEK- HEADWATERS	ALUMINUM
EAST FORK WHITE	5120207020050	RIPLEY CO	INW0725_00	LITTLE GRAHAM-HORSE & POPLAR BRANCH	ALUMINUM
EAST FORK WHITE	5120207050040	JENNINGS CO	INW0754_00	NORTH FORK-FLATROCK/WOLF CREEKS	ALUMINUM
EAST FORK WHITE	5120207050050	JENNINGS CO	INW0755_00	NORTH FORK- SUGAR/LEATHERWOOD CREEK	ALUMINUM
EAST FORK WHITE	5120207050060	JENNINGS CO	INW0756_00	NORTH FORK-FINCH BRANCH	ALUMINUM
EAST FORK WHITE	5120207050070	JENNINGS CO	INW0757_00	BRUSH CREEK (JENNINGS)	ALUMINUM
EAST FORK WHITE	5120207060010	RIPLEY CO	INW0761_00	OTTER CREEK-LONG BRANCH	ALUMINUM
EAST FORK WHITE	5120207060030	RIPLEY CO	INW0763_00	OTTER CREEK-FALLING TIMBERS BRANCH	ALUMINUM
EAST FORK WHITE	5120207070010	JENNINGS CO	INW0771_00	VERNON FORK-CROSLEY LAKE	ALUMINUM
EAST FORK WHITE	5120207070010	JENNINGS CO	INW0771_00	VERNON FORK-CROSLEY LAKE	IRON
EAST FORK WHITE	5120207070060	JENNINGS CO	INW0776_00	VERNON FORK-SIXMILE CREEK	ALUMINUM
EAST FORK WHITE	5120207080010	JENNINGS CO	INW0781_00	MUTTON CREEK (UPSTREAM OF LITTLE MUTTON CREEK)	ALUMINUM
EAST FORK WHITE	5120207080020	JACKSON CO	INW0782_00	MUTTON CREEK-LOWER	ALUMINUM
EAST FORK WHITE	5120207080030	JENNINGS CO	INW0783_00	STORM CREEK-UPPER	ALUMINUM

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
EAST FORK WHITE	5120207090060	JACKSON CO	INW0796_T1003	MUSCATATUCK RIVER (DOWNSTREAM OF VERNON FORK)	ALUMINUM
EAST FORK WHITE	5120207090060	JACKSON CO	INW0796_T1003	MUSCATATUCK RIVER (DOWNSTREAM OF VERNON FORK)	IRON
EAST FORK WHITE	5120207110070	JACKSON CO	INW07B7_M1005	MUSCATATUCK RIVER	ALUMINUM
EAST FORK WHITE	5120208010030	JACKSON CO	INW0813_M1002	EAST FORK WHITE RIVER	ALUMINUM
EAST FORK WHITE	5120208020020	LAWRENCE CO	INW0822_M1003	EAST FORK WHITE R-TUNNELTON	ALUMINUM
EAST FORK WHITE	5120208040050	LAWRENCE CO	INW0845_M1053	EAST FORK WHITE RIVER (ABOVE BEDFORD WATER INTAKE)	IRON
EAST FORK WHITE	5120208100020	LAWRENCE CO	INW08A2_M1008	EAST FORK WHITE RIVER	IRON
EAST FORK WHITE	5120208100030	MARTIN CO	INW08A3_M1058	EAST FORK WHITE RIVER	ALUMINUM
EAST FORK WHITE	5120208110040	GREENE CO	INW08B4_00	INDIAN CREEK-TOWN BRANCH	ALUMINUM
EAST FORK WHITE	5120208110100	MARTIN CO	INW08BA_00	INDIAN CREEK	IRON
EAST FORK WHITE	5120208160100	ORANGE CO	INW08GA_T1035	LOST RIVER	ALUMINUM
EAST FORK WHITE	5120208160120	MARTIN CO	INW08GC_T1034	LOST RIVER	ALUMINUM
EAST FORK WHITE	5120208160150	MARTIN CO	INW08GF_T1032	LOST RIVER	IRON
EAST FORK WHITE	5120208170010	DUBOIS CO	INW08H1_M1015	EAST FORK WHITE RIVER	ALUMINUM
EAST FORK WHITE	5120208170070	DAVIESS CO	INW08H7_M1070	WHITE RIVER, EAST FORK (DOWNSTREAM OF BEECH CREEK)	ALUMINUM
EAST FORK WHITE	5120208170090	PIKE CO	INW08H9_M1055	EAST FORK WHITE RIVER	IRON

Table 22: Waterbody impairments originally proposed to be added to Category 4A based on IDEM's use of derived criteria and completion of a TMDL.

BASIN NAME	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
LOWER WABASH	5120111160040	SULLIVAN CO	INB11G4_T1003	SULPHUR CREEK (HEADWATERS)	MANGANESE
LOWER WABASH	5120111160040	SULLIVAN CO	INB11G4_T1003	SULPHUR CREEK (HEADWATERS)	ALUMINUM
LOWER WABASH	5120111160040	SULLIVAN CO	INB11G4_T1003	SULPHUR CREEK (HEADWATERS)	IRON
LOWER WABASH	5120111160040	SULLIVAN CO	INB11G4_T1004	SULPHUR CREEK	MANGANESE
LOWER WABASH	5120111160040	SULLIVAN CO	INB11G4_T1004	SULPHUR CREEK	ALUMINUM
LOWER WABASH	5120111160040	SULLIVAN CO	INB11G4_T1004	SULPHUR CREEK	IRON
LOWER WABASH	5120111160040	SULLIVAN CO	INB11G4_T1005	SULPHUR CREEK	MANGANESE
LOWER WABASH	5120111160040	SULLIVAN CO	INB11G4_T1005	SULPHUR CREEK	ALUMINUM

BASIN NAME	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
LOWER WABASH	5120111160040	SULLIVAN CO	INB11G4_T1005	SULPHUR CREEK	IRON
LOWER WABASH	5120111160060	SULLIVAN CO	INB11G6_02	BIG BRANCH	ALUMINUM
LOWER WABASH	5120111160060	SULLIVAN CO	INB11G6_02	BIG BRANCH	IRON
LOWER WABASH	5120111160060	GREENE CO	INB11G6_03	MUD CREEK	ALUMINUM
LOWER WABASH	5120111160060	GREENE CO	INB11G6_03	MUD CREEK	IRON
LOWER WABASH	5120111160060	SULLIVAN CO	INB11G6_04	MUD CREEK	ALUMINUM
LOWER WABASH	5120111160060	SULLIVAN CO	INB11G6_04	MUD CREEK	IRON
LOWER WABASH	5120111160090	SULLIVAN CO	INB11G9_01	BUTTERMILK CREEK	ALUMINUM
LOWER WABASH	5120111160090	SULLIVAN CO	INB11G9_02	BUTTERMILK CREEK	ALUMINUM
LOWER WABASH	5120111160090	SULLIVAN CO	INB11G9_03	BUTTERMILK CREEK	ALUMINUM

Waterbody Impairments Added to Category 5 as a Result of Resegmentation

For the 2010 cycle, IDEM added a total of seven hundred seventy six (776) impairments to Category 5 as a result of resegmentation. This number includes additions made after the draft 303(d) list was published, which are explained in more detail below.

Additional Waterbody Impairments Added as a Result of IDEM's Resegmentation and Reassessment of the Ohio River Completed after the Draft 303(d) was Published

Since the draft 303(d) list was published, IDEM completed its resegmentation of the Ohio River and reassessed all available data to ensure accurate application of previous and new assessment information to the new AUIDs resulting from the resegmentation. Since the draft 303(d) list was published, IDEM placed an additional three hundred two (302) impairments in Category 5 of its finalized list based on resegmentation of the Ohio River (Table 23).

Table 23: Additional waterbody impairments added to Category 5 based on IDEM's resegmentation and reassessment of the Ohio River.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
OHIO RIVER TRIBUTARIES	5090203	DEARBORN CO	INH1_01	OHIO RIVER - STATE LINE TO WOOLPER CREEK (KY)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5090203	DEARBORN CO	INH1_01	OHIO RIVER - STATE LINE TO WOOLPER CREEK (KY)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5090203	OHIO CO	INH1_02	OHIO RIVER - WOOLPER CREEK (KY) TO MIDDLE CREEK (KY)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5090203	OHIO CO	INH1_02	OHIO RIVER - WOOLPER CREEK (KY) TO MIDDLE CREEK (KY)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5090203	OHIO CO	INH1_03	OHIO RIVER - MIDDLE CREEK (KY) TO GRANTS CREEK (IN)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5090203	OHIO CO	INH1_03	OHIO RIVER - MIDDLE CREEK (KY) TO GRANTS CREEK (IN)	PCBS (WATER)

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
OHIO RIVER TRIBUTARIES	5090203	SWITZERLAND CO	INH1_04	OHIO RIVER - GRANTS CREEK (IN) TO HAMILTON, KY	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5090203	SWITZERLAND CO	INH1_04	OHIO RIVER - GRANTS CREEK (IN) TO HAMILTON, KY	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5090203	SWITZERLAND CO	INH1_05	OHIO RIVER - HAMILTON, KY TO WADE CREEK (IN)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5090203	SWITZERLAND CO	INH1_05	OHIO RIVER - HAMILTON, KY TO WADE CREEK (IN)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5090203	SWITZERLAND CO	INH1_06	OHIO RIVER - WADE CREEK (IN) TO BIG SUGAR CREEK (KY)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5090203	SWITZERLAND CO	INH1_06	OHIO RIVER - WADE CREEK (IN) TO BIG SUGAR CREEK (KY)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5090203	SWITZERLAND CO	INH1_07	OHIO RIVER - BIG SUGAR CREEK (KY) TO BRYANT CREEK (IN)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5090203	SWITZERLAND CO	INH1_07	OHIO RIVER - BIG SUGAR CREEK (KY) TO BRYANT CREEK (IN)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5090203	SWITZERLAND CO	INH1_08	OHIO RIVER - BRYANT CREEK (IN) TO MARKLAND LOCKS AND DAM	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5090203	SWITZERLAND CO	INH1_08	OHIO RIVER - BRYANT CREEK (IN) TO MARKLAND LOCKS AND DAM	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140101	SWITZERLAND CO	INH2_01	OHIO RIVER - MARKLAND LOCKS AND DAM TO BLACK ROCK CREEK (KY)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140101	SWITZERLAND CO	INH2_01	OHIO RIVER - MARKLAND LOCKS AND DAM TO BLACK ROCK CREEK (KY)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140101	SWITZERLAND CO	INH2_02	OHIO RIVER - BLACK ROCK CREEK (KY) TO 2 MILES DS OF INDIAN CREEK (IN)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140101	SWITZERLAND CO	INH2_02	OHIO RIVER - BLACK ROCK CREEK (KY) TO 2 MILES DS OF INDIAN CREEK (IN)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140101	SWITZERLAND CO	INH2_03	OHIO RIVER - 2 MILES DS OF INDIAN CREEK (IN) TO KENTUCKY RIVER (KY)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140101	SWITZERLAND CO	INH2_03	OHIO RIVER - 2 MILES DS OF INDIAN CREEK (IN) TO KENTUCKY RIVER (KY)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140101	JEFFERSON CO	INH3_01	OHIO RIVER - KENTUCKY RIVER (KY) TO INDIAN KENTUCK CREEK (IN)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140101	JEFFERSON CO	INH3_01	OHIO RIVER - KENTUCKY RIVER (KY) TO INDIAN KENTUCK CREEK (IN)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140101	JEFFERSON CO	INH3_02	OHIO RIVER - INDIAN KENTUCK CREEK (IN) TO TO EAGLE HOLLOW, IN	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140101	JEFFERSON CO	INH3_02	OHIO RIVER - INDIAN KENTUCK CREEK (IN) TO TO EAGLE HOLLOW, IN	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140101	JEFFERSON CO	INH3_03	OHIO RIVER - EAGLE HOLLOW, IN TO CLIFTY CREEK (IN)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140101	JEFFERSON CO	INH3_03	OHIO RIVER - EAGLE HOLLOW, IN TO CLIFTY CREEK (IN)	PCBS (WATER)

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
OHIO RIVER TRIBUTARIES	5140101	JEFFERSON CO	INH3_04	OHIO RIVER - CLIFTY CREEK (IN) TO HARTE FALLS CREEK (IN)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140101	JEFFERSON CO	INH3_04	OHIO RIVER - CLIFTY CREEK (IN) TO HARTE FALLS CREEK (IN)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140101	JEFFERSON CO	INH3_05	OHIO RIVER - HARTE FALLS (IN) TO MARBLE HILL, IN	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140101	JEFFERSON CO	INH3_05	OHIO RIVER - HARTE FALLS (IN) TO MARBLE HILL, IN	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140101	CLARK CO	INH3_06	OHIO RIVER - MARBLE HILL, IN TO PATTONS CREEK (KY)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140101	CLARK CO	INH3_06	OHIO RIVER - MARBLE HILL, IN TO PATTONS CREEK (KY)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140101	CLARK CO	INH3_07	OHIO RIVER - PATTONS CREEK (KY) TO WESTPORT, KY	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140101	CLARK CO	INH3_07	OHIO RIVER - PATTONS CREEK (KY) TO WESTPORT, KY	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140101	CLARK CO	INH3_08	OHIO RIVER - WESTPORT, KY TO OWEN CREEK (IN)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140101	CLARK CO	INH3_08	OHIO RIVER - WESTPORT, KY TO OWEN CREEK (IN)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140101	CLARK CO	INH3_09	OHIO RIVER - OWN CREEK (IN) TO JENNY LIND RUN (IN)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140101	CLARK CO	INH3_09	OHIO RIVER - OWN CREEK (IN) TO JENNY LIND RUN (IN)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140101	CLARK CO	INH3_10	OHIO RIVER - JENNY LIND RUN (IN) TO UTICA, IN	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140101	CLARK CO	INH3_10	OHIO RIVER - JENNY LIND RUN (IN) TO UTICA, IN	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140101	CLARK CO	INH3_11	OHIO RIVER - UTICA, IN TO JEFFERSONVILLE, IN	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140101	CLARK CO	INH3_11	OHIO RIVER - UTICA, IN TO JEFFERSONVILLE, IN	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140101	CLARK CO	INH3_12	OHIO RIVER - JEFFERSONVILLE, IN TO MCALPINE LOCKS AND DAM	E. COLI
OHIO RIVER TRIBUTARIES	5140101	CLARK CO	INH3_12	OHIO RIVER - JEFFERSONVILLE, IN TO MCALPINE LOCKS AND DAM	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140101	CLARK CO	INH3_12	OHIO RIVER - JEFFERSONVILLE, IN TO MCALPINE LOCKS AND DAM	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140101	CLARK CO	INH3_12	OHIO RIVER - JEFFERSONVILLE, IN TO MCALPINE LOCKS AND DAM	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140101	FLOYD CO	INH3_13	OHIO RIVER - MCALPINE LOCKS AND DAM TO NEW ALBANY, IN	E. COLI
OHIO RIVER TRIBUTARIES	5140101	FLOYD CO	INH3_13	OHIO RIVER - MCALPINE LOCKS AND DAM TO NEW ALBANY, IN	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140101	FLOYD CO	INH3_13	OHIO RIVER - MCALPINE LOCKS AND DAM TO NEW ALBANY, IN	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140101	FLOYD CO	INH3_13	OHIO RIVER - MCALPINE LOCKS AND DAM TO NEW ALBANY, IN	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140101	FLOYD CO	INH3_13	OHIO RIVER - MCALPINE LOCKS AND DAM TO NEW ALBANY, IN	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140101	FLOYD CO	INH4_01	OHIO RIVER - NEW ALBANY, IN TO MILL CREEK CUTOFF (KY)	E. COLI

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
OHIO RIVER TRIBUTARIES	5140101	FLOYD CO	INH4_01	OHIO RIVER - NEW ALBANY, IN TO MILL CREEK CUTOFF (KY)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140101	FLOYD CO	INH4_01	OHIO RIVER - NEW ALBANY, IN TO MILL CREEK CUTOFF (KY)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140101	FLOYD CO	INH4_01	OHIO RIVER - NEW ALBANY, IN TO MILL CREEK CUTOFF (KY)	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140101	FLOYD CO	INH4_01	OHIO RIVER - NEW ALBANY, IN TO MILL CREEK CUTOFF (KY)	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140101	HARRISON CO	INH4_02	OHIO RIVER - MILL CREEK CUTOFF (KY) TO SUGAR GROVE, IN	E. COLI
OHIO RIVER TRIBUTARIES	5140101	HARRISON CO	INH4_02	OHIO RIVER - MILL CREEK CUTOFF (KY) TO SUGAR GROVE, IN	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140101	HARRISON CO	INH4_02	OHIO RIVER - MILL CREEK CUTOFF (KY) TO SUGAR GROVE, IN	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140101	HARRISON CO	INH4_02	OHIO RIVER - MILL CREEK CUTOFF (KY) TO SUGAR GROVE, IN	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140101	HARRISON CO	INH4_02	OHIO RIVER - MILL CREEK CUTOFF (KY) TO SUGAR GROVE, IN	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140101	HARRISON CO	INH4_03	OHIO RIVER - SUGAR GROVE, IN TO MEADOW LAWN, KY	E. COLI
OHIO RIVER TRIBUTARIES	5140101	HARRISON CO	INH4_03	OHIO RIVER - SUGAR GROVE, IN TO MEADOW LAWN, KY	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140101	HARRISON CO	INH4_03	OHIO RIVER - SUGAR GROVE, IN TO MEADOW LAWN, KY	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140101	HARRISON CO	INH4_03	OHIO RIVER - SUGAR GROVE, IN TO MEADOW LAWN, KY	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140101	HARRISON CO	INH4_03	OHIO RIVER - SUGAR GROVE, IN TO MEADOW LAWN, KY	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140101	HARRISON CO	INH4_04	OHIO RIVER - MEADOW LAWN, KY TO SALT RIVER (KY)	E. COLI
OHIO RIVER TRIBUTARIES	5140101	HARRISON CO	INH4_04	OHIO RIVER - MEADOW LAWN, KY TO SALT RIVER (KY)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140101	HARRISON CO	INH4_04	OHIO RIVER - MEADOW LAWN, KY TO SALT RIVER (KY)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140101	HARRISON CO	INH4_04	OHIO RIVER - MEADOW LAWN, KY TO SALT RIVER (KY)	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140101	HARRISON CO	INH4_04	OHIO RIVER - MEADOW LAWN, KY TO SALT RIVER (KY)	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH4_05	OHIO RIVER - SALT RIVER (KY) TO MOSQUITO CREEK (IN)	E. COLI
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH4_05	OHIO RIVER - SALT RIVER (KY) TO MOSQUITO CREEK (IN)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH4_05	OHIO RIVER - SALT RIVER (KY) TO MOSQUITO CREEK (IN)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH4_05	OHIO RIVER - SALT RIVER (KY) TO MOSQUITO CREEK (IN)	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH4_05	OHIO RIVER - SALT RIVER (KY) TO MOSQUITO CREEK (IN)	TOTAL MERCURY (WATER)

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH5_01	OHIO RIVER - MOSQUITO CREEK (IN) TO DOE RUN (KY)	E. COLI
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH5_01	OHIO RIVER - MOSQUITO CREEK (IN) TO DOE RUN (KY)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH5_01	OHIO RIVER - MOSQUITO CREEK (IN) TO DOE RUN (KY)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH5_01	OHIO RIVER - MOSQUITO CREEK (IN) TO DOE RUN (KY)	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH5_01	OHIO RIVER - MOSQUITO CREEK (IN) TO DOE RUN (KY)	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH5_02	OHIO RIVER - DOE RUN (KY) TO BUCK CREEK (KY)	E. COLI
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH5_02	OHIO RIVER - DOE RUN (KY) TO BUCK CREEK (KY)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH5_02	OHIO RIVER - DOE RUN (KY) TO BUCK CREEK (KY)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH5_02	OHIO RIVER - DOE RUN (KY) TO BUCK CREEK (KY)	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH5_02	OHIO RIVER - DOE RUN (KY) TO BUCK CREEK (KY)	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH5_03	OHIO RIVER - BUCK CREEK (KY) TO FRENCH CREEK (KY)	E. COLI
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH5_03	OHIO RIVER - BUCK CREEK (KY) TO FRENCH CREEK (KY)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH5_03	OHIO RIVER - BUCK CREEK (KY) TO FRENCH CREEK (KY)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH5_03	OHIO RIVER - BUCK CREEK (KY) TO FRENCH CREEK (KY)	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH5_03	OHIO RIVER - BUCK CREEK (KY) TO FRENCH CREEK (KY)	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH5_04	OHIO RIVER - FRENCH CREEK (KY) TO NEW AMSTERDAM, IN	E. COLI
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH5_04	OHIO RIVER - FRENCH CREEK (KY) TO NEW AMSTERDAM, IN	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH5_04	OHIO RIVER - FRENCH CREEK (KY) TO NEW AMSTERDAM, IN	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH5_04	OHIO RIVER - FRENCH CREEK (KY) TO NEW AMSTERDAM, IN	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH5_04	OHIO RIVER - FRENCH CREEK (KY) TO NEW AMSTERDAM, IN	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH5_05	OHIO RIVER - NEW AMSTERDAM, IN TO BLUE RIVER (IN)	E. COLI
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH5_05	OHIO RIVER - NEW AMSTERDAM, IN TO BLUE RIVER (IN)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH5_05	OHIO RIVER - NEW AMSTERDAM, IN TO BLUE RIVER (IN)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH5_05	OHIO RIVER - NEW AMSTERDAM, IN TO BLUE RIVER (IN)	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140104	HARRISON CO	INH5_05	OHIO RIVER - NEW AMSTERDAM, IN TO BLUE RIVER (IN)	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140104	CRAWFORD CO	INH5_06	OHIO RIVER - BLUE RIVER (IN) TO WOLF CREEK (KY)	E. COLI

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
OHIO RIVER TRIBUTARIES	5140104	CRAWFORD CO	INH5_06	OHIO RIVER - BLUE RIVER (IN) TO WOLF CREEK (KY)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140104	CRAWFORD CO	INH5_06	OHIO RIVER - BLUE RIVER (IN) TO WOLF CREEK (KY)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140104	CRAWFORD CO	INH5_06	OHIO RIVER - BLUE RIVER (IN) TO WOLF CREEK (KY)	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140104	CRAWFORD CO	INH5_06	OHIO RIVER - BLUE RIVER (IN) TO WOLF CREEK (KY)	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140104	CRAWFORD CO	INH5_07	OHIO RIVER - WOLF CREEK (KY) TO LITTLE BLUE RIVER (IN)	E. COLI
OHIO RIVER TRIBUTARIES	5140104	CRAWFORD CO	INH5_07	OHIO RIVER - WOLF CREEK (KY) TO LITTLE BLUE RIVER (IN)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140104	CRAWFORD CO	INH5_07	OHIO RIVER - WOLF CREEK (KY) TO LITTLE BLUE RIVER (IN)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140104	CRAWFORD CO	INH5_07	OHIO RIVER - WOLF CREEK (KY) TO LITTLE BLUE RIVER (IN)	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140104	CRAWFORD CO	INH5_07	OHIO RIVER - WOLF CREEK (KY) TO LITTLE BLUE RIVER (IN)	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140104	CRAWFORD CO/PERRY CO	INH5_08	OHIO RIVER - LITTLE BLUE RIVER (IN) TO SPRING CREEK (KY)	E. COLI
OHIO RIVER TRIBUTARIES	5140104	CRAWFORD CO/PERRY CO	INH5_08	OHIO RIVER - LITTLE BLUE RIVER (IN) TO SPRING CREEK (KY)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140104	CRAWFORD CO/PERRY CO	INH5_08	OHIO RIVER - LITTLE BLUE RIVER (IN) TO SPRING CREEK (KY)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140104	CRAWFORD CO/PERRY CO	INH5_08	OHIO RIVER - LITTLE BLUE RIVER (IN) TO SPRING CREEK (KY)	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140104	CRAWFORD CO/PERRY CO	INH5_08	OHIO RIVER - LITTLE BLUE RIVER (IN) TO SPRING CREEK (KY)	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140104	PERRY CO	INH5_09	OHIO RIVER - SPRING CREEK (KY) TO OIL CREEK (IN)	E. COLI
OHIO RIVER TRIBUTARIES	5140104	PERRY CO	INH5_09	OHIO RIVER - SPRING CREEK (KY) TO OIL CREEK (IN)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140104	PERRY CO	INH5_09	OHIO RIVER - SPRING CREEK (KY) TO OIL CREEK (IN)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140104	PERRY CO	INH5_09	OHIO RIVER - SPRING CREEK (KY) TO OIL CREEK (IN)	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140104	PERRY CO	INH5_09	OHIO RIVER - SPRING CREEK (KY) TO OIL CREEK (IN)	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140104	PERRY CO	INH5_10	OHIO RIVER - OIL CREEK (IN) TO YELLOW BANK CREEK (KY)	E. COLI
OHIO RIVER TRIBUTARIES	5140104	PERRY CO	INH5_10	OHIO RIVER - OIL CREEK (IN) TO YELLOW BANK CREEK (KY)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140104	PERRY CO	INH5_10	OHIO RIVER - OIL CREEK (IN) TO YELLOW BANK CREEK (KY)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140104	PERRY CO	INH5_10	OHIO RIVER - OIL CREEK (IN) TO YELLOW BANK CREEK (KY)	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140104	PERRY CO	INH5_10	OHIO RIVER - OIL CREEK (IN) TO YELLOW BANK CREEK (KY)	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140104	PERRY CO	INH5_11	OHIO RIVER - YELLOW BANK CREEK (KY) TO SINKING CREEK (KY)	E. COLI
OHIO RIVER TRIBUTARIES	5140104	PERRY CO	INH5_11	OHIO RIVER - YELLOW BANK CREEK (KY) TO SINKING CREEK (KY)	DIOXIN (WATER)

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
OHIO RIVER TRIBUTARIES	5140104	PERRY CO	INH5_11	OHIO RIVER - YELLOW BANK CREEK (KY) TO SINKING CREEK (KY)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140104	PERRY CO	INH5_11	OHIO RIVER - YELLOW BANK CREEK (KY) TO SINKING CREEK (KY)	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140104	PERRY CO	INH5_11	OHIO RIVER - YELLOW BANK CREEK (KY) TO SINKING CREEK (KY)	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140104	PERRY CO	INH5_12	OHIO RIVER - SINKING CREEK (KY) TO BEAR CREEK (IN)	E. COLI
OHIO RIVER TRIBUTARIES	5140104	PERRY CO	INH5_12	OHIO RIVER - SINKING CREEK (KY) TO BEAR CREEK (IN)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140104	PERRY CO	INH5_12	OHIO RIVER - SINKING CREEK (KY) TO BEAR CREEK (IN)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140104	PERRY CO	INH5_12	OHIO RIVER - SINKING CREEK (KY) TO BEAR CREEK (IN)	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140104	PERRY CO	INH5_12	OHIO RIVER - SINKING CREEK (KY) TO BEAR CREEK (IN)	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140201	PERRY CO	INH5_13	OHIO RIVER - BEAR CREEK (IN) TO CLOVER CREEK (KY)	E. COLI
OHIO RIVER TRIBUTARIES	5140201	PERRY CO	INH5_13	OHIO RIVER - BEAR CREEK (IN) TO CLOVER CREEK (KY)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140201	PERRY CO	INH5_13	OHIO RIVER - BEAR CREEK (IN) TO CLOVER CREEK (KY)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140201	PERRY CO	INH5_13	OHIO RIVER - BEAR CREEK (IN) TO CLOVER CREEK (KY)	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140201	PERRY CO	INH5_13	OHIO RIVER - BEAR CREEK (IN) TO CLOVER CREEK (KY)	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140201	PERRY CO	INH5_14	OHIO RIVER - CLOVER CREEK (KY) TO DEER CREEK (IN)	E. COLI
OHIO RIVER TRIBUTARIES	5140201	PERRY CO	INH5_14	OHIO RIVER - CLOVER CREEK (KY) TO DEER CREEK (IN)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140201	PERRY CO	INH5_14	OHIO RIVER - CLOVER CREEK (KY) TO DEER CREEK (IN)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140201	PERRY CO	INH5_14	OHIO RIVER - CLOVER CREEK (KY) TO DEER CREEK (IN)	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140201	PERRY CO	INH5_14	OHIO RIVER - CLOVER CREEK (KY) TO DEER CREEK (IN)	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140201	PERRY CO	INH5_15	OHIO RIVER - DEER CREEK (IN) TO CANNELTON LOCKS AND DAM	E. COLI
OHIO RIVER TRIBUTARIES	5140201	PERRY CO	INH5_15	OHIO RIVER - DEER CREEK (IN) TO CANNELTON LOCKS AND DAM	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140201	PERRY CO	INH5_15	OHIO RIVER - DEER CREEK (IN) TO CANNELTON LOCKS AND DAM	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140201	PERRY CO	INH5_15	OHIO RIVER - DEER CREEK (IN) TO CANNELTON LOCKS AND DAM	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140201	PERRY CO	INH5_15	OHIO RIVER - DEER CREEK (IN) TO CANNELTON LOCKS AND DAM	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140201	PERRY CO	INH5_16	OHIO RIVER - CANNELTON LOCKS AND DAM TO TELL CITY, IN	E. COLI
OHIO RIVER TRIBUTARIES	5140201	PERRY CO	INH5_16	OHIO RIVER - CANNELTON LOCKS AND DAM TO TELL CITY, IN	DIOXIN (WATER)

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OHIO RIVER TRIBUTARIES	5140201	PERRY CO	INH5_16	OHIO RIVER - CANNELTON LOCKS AND DAM TO TELL CITY, IN	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140201	PERRY CO	INH5_16	OHIO RIVER - CANNELTON LOCKS AND DAM TO TELL CITY, IN	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140201	PERRY CO	INH5_16	OHIO RIVER - CANNELTON LOCKS AND DAM TO TELL CITY, IN	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140201	PERRY CO	INH6_01	OHIO RIVER - TELL CITY, IN TO ANDERSON RIVER (IN)	E. COLI
OHIO RIVER TRIBUTARIES	5140201	PERRY CO	INH6_01	OHIO RIVER - TELL CITY, IN TO ANDERSON RIVER (IN)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140201	PERRY CO	INH6_01	OHIO RIVER - TELL CITY, IN TO ANDERSON RIVER (IN)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140201	PERRY CO	INH6_01	OHIO RIVER - TELL CITY, IN TO ANDERSON RIVER (IN)	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140201	PERRY CO	INH6_01	OHIO RIVER - TELL CITY, IN TO ANDERSON RIVER (IN)	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_02	OHIO RIVER - ANDERSON RIVER (IN) TO CROOKED CREEK (IN)	E. COLI
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_02	OHIO RIVER - ANDERSON RIVER (IN) TO CROOKED CREEK (IN)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_02	OHIO RIVER - ANDERSON RIVER (IN) TO CROOKED CREEK (IN)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_02	OHIO RIVER - ANDERSON RIVER (IN) TO CROOKED CREEK (IN)	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_02	OHIO RIVER - ANDERSON RIVER (IN) TO CROOKED CREEK (IN)	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_03	OHIO RIVER - CROOKED CREEK (IN) TO YELLOW CREEK (KY) NEAR LEWISPORT, KY	E. COLI
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_03	OHIO RIVER - CROOKED CREEK (IN) TO YELLOW CREEK (KY) NEAR LEWISPORT, KY	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_03	OHIO RIVER - CROOKED CREEK (IN) TO YELLOW CREEK (KY) NEAR LEWISPORT, KY	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_03	OHIO RIVER - CROOKED CREEK (IN) TO YELLOW CREEK (KY) NEAR LEWISPORT, KY	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_03	OHIO RIVER - CROOKED CREEK (IN) TO YELLOW CREEK (KY) NEAR LEWISPORT, KY	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_04	OHIO RIVER - YELLOW CREEK (KY) NEAR LEWISPORT, KY TO GRANDVIEW, IN	E. COLI
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_04	OHIO RIVER - YELLOW CREEK (KY) NEAR LEWISPORT, KY TO GRANDVIEW, IN	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_04	OHIO RIVER - YELLOW CREEK (KY) NEAR LEWISPORT, KY TO GRANDVIEW, IN	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_04	OHIO RIVER - YELLOW CREEK (KY) NEAR LEWISPORT, KY TO GRANDVIEW, IN	TOTAL MERCURY (FISH TISSUE)

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OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_04	OHIO RIVER - YELLOW CREEK (KY) NEAR LEWISPORT, KY TO GRANDVIEW, IN	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_05	OHIO RIVER - GRANDVIEW, IN TO ROCKPORT, IN	E. COLI
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_05	OHIO RIVER - GRANDVIEW, IN TO ROCKPORT, IN	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_05	OHIO RIVER - GRANDVIEW, IN TO ROCKPORT, IN	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_05	OHIO RIVER - GRANDVIEW, IN TO ROCKPORT, IN	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_05	OHIO RIVER - GRANDVIEW, IN TO ROCKPORT, IN	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_06	OHIO RIVER - ROCKPORT, IN TO YELLOW CREEK (KY) NEAR OWENSBORO, KY	E. COLI
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_06	OHIO RIVER - ROCKPORT, IN TO YELLOW CREEK (KY) NEAR OWENSBORO, KY	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_06	OHIO RIVER - ROCKPORT, IN TO YELLOW CREEK (KY) NEAR OWENSBORO, KY	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_06	OHIO RIVER - ROCKPORT, IN TO YELLOW CREEK (KY) NEAR OWENSBORO, KY	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_06	OHIO RIVER - ROCKPORT, IN TO YELLOW CREEK (KY) NEAR OWENSBORO, KY	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_07	OHIO RIVER - YELLOW CREEK (KY) TO CANEY CREEK (IN)	E. COLI
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_07	OHIO RIVER - YELLOW CREEK (KY) TO CANEY CREEK (IN)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_07	OHIO RIVER - YELLOW CREEK (KY) TO CANEY CREEK (IN)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_07	OHIO RIVER - YELLOW CREEK (KY) TO CANEY CREEK (IN)	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_07	OHIO RIVER - YELLOW CREEK (KY) TO CANEY CREEK (IN)	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_08	OHIO RIVER - CANEY CREEK (IN) TO LITTLE PIGEON CREEK (IN)	E. COLI
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_08	OHIO RIVER - CANEY CREEK (IN) TO LITTLE PIGEON CREEK (IN)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_08	OHIO RIVER - CANEY CREEK (IN) TO LITTLE PIGEON CREEK (IN)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_08	OHIO RIVER - CANEY CREEK (IN) TO LITTLE PIGEON CREEK (IN)	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_08	OHIO RIVER - CANEY CREEK (IN) TO LITTLE PIGEON CREEK (IN)	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_09	OHIO RIVER - LITTLE PIGEON CREEK (IN) TO FRENCH ISLANDS NOS 1 AND 2	E. COLI
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_09	OHIO RIVER - LITTLE PIGEON CREEK (IN) TO FRENCH ISLANDS NOS 1 AND 2	DIOXIN (WATER)

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OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_09	OHIO RIVER - LITTLE PIGEON CREEK (IN) TO FRENCH ISLANDS NOS 1 AND 2	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_09	OHIO RIVER - LITTLE PIGEON CREEK (IN) TO FRENCH ISLANDS NOS 1 AND 2	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140201	SPENCER CO	INH6_09	OHIO RIVER - LITTLE PIGEON CREEK (IN) TO FRENCH ISLANDS NOS 1 AND 2	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5140201	WARRICK CO	INH6_10	OHIO RIVER - FRENCH ISLANDS, NOS 1 AND 2 TO NEWBURGH LOCKS AND DAM	E. COLI
OHIO RIVER TRIBUTARIES	5140201	WARRICK CO	INH6_10	OHIO RIVER - FRENCH ISLANDS, NOS 1 AND 2 TO NEWBURGH LOCKS AND DAM	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5140201	WARRICK CO	INH6_10	OHIO RIVER - FRENCH ISLANDS, NOS 1 AND 2 TO NEWBURGH LOCKS AND DAM	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5140201	WARRICK CO	INH6_10	OHIO RIVER - FRENCH ISLANDS, NOS 1 AND 2 TO NEWBURGH LOCKS AND DAM	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5140201	WARRICK CO	INH6_10	OHIO RIVER - FRENCH ISLANDS, NOS 1 AND 2 TO NEWBURGH LOCKS AND DAM	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5120202	VANDEBURGH CO	INH7_01	OHIO RIVER - NEWBURGH LOCKS AND DAM TO GREEN RIVER (KY)	E. COLI
OHIO RIVER TRIBUTARIES	5120202	VANDEBURGH CO	INH7_01	OHIO RIVER - NEWBURGH LOCKS AND DAM TO GREEN RIVER (KY)	TEMPERATURE
OHIO RIVER TRIBUTARIES	5120202	VANDEBURGH CO	INH7_01	OHIO RIVER - NEWBURGH LOCKS AND DAM TO GREEN RIVER (KY)	DISSOLVED OXYGEN
OHIO RIVER TRIBUTARIES	5120202	VANDEBURGH CO	INH7_01	OHIO RIVER - NEWBURGH LOCKS AND DAM TO GREEN RIVER (KY)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5120202	VANDEBURGH CO	INH7_01	OHIO RIVER - NEWBURGH LOCKS AND DAM TO GREEN RIVER (KY)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5120202	VANDEBURGH CO	INH7_01	OHIO RIVER - NEWBURGH LOCKS AND DAM TO GREEN RIVER (KY)	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5120202	VANDEBURGH CO	INH7_01	OHIO RIVER - NEWBURGH LOCKS AND DAM TO GREEN RIVER (KY)	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5120202	VANDEBURGH CO	INH8_01	OHIO RIVER - EVANSVILLE, IN (UPSTREAM) TO EVANSVILLE, IN (DOWNSTREAM)	TEMPERATURE
OHIO RIVER TRIBUTARIES	5120202	VANDEBURGH CO	INH8_01	OHIO RIVER - EVANSVILLE, IN (UPSTREAM) TO EVANSVILLE, IN (DOWNSTREAM)	DISSOLVED OXYGEN
OHIO RIVER TRIBUTARIES	5120202	VANDEBURGH CO	INH8_01	OHIO RIVER - EVANSVILLE, IN (UPSTREAM) TO EVANSVILLE, IN (DOWNSTREAM)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5120202	VANDEBURGH CO	INH8_01	OHIO RIVER - EVANSVILLE, IN (UPSTREAM) TO EVANSVILLE, IN (DOWNSTREAM)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5120202	VANDEBURGH CO	INH8_01	OHIO RIVER - EVANSVILLE, IN (UPSTREAM) TO EVANSVILLE, IN (DOWNSTREAM)	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5120202	VANDEBURGH CO	INH8_01	OHIO RIVER - EVANSVILLE, IN (UPSTREAM) TO EVANSVILLE, IN (DOWNSTREAM)	TOTAL MERCURY (WATER)

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OHIO RIVER TRIBUTARIES	5120202	VANDERBURGH CO	INH8_02	OHIO RIVER - EVANSVILLE, IN (DOWNSTREAM) TO HENDERSON, KY	E. COLI
OHIO RIVER TRIBUTARIES	5120202	VANDERBURGH CO	INH8_02	OHIO RIVER - EVANSVILLE, IN (DOWNSTREAM) TO HENDERSON, KY	TEMPERATURE
OHIO RIVER TRIBUTARIES	5120202	VANDERBURGH CO	INH8_02	OHIO RIVER - EVANSVILLE, IN (DOWNSTREAM) TO HENDERSON, KY	DISSOLVED OXYGEN
OHIO RIVER TRIBUTARIES	5120202	VANDERBURGH CO	INH8_02	OHIO RIVER - EVANSVILLE, IN (DOWNSTREAM) TO HENDERSON, KY	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5120202	VANDERBURGH CO	INH8_02	OHIO RIVER - EVANSVILLE, IN (DOWNSTREAM) TO HENDERSON, KY	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5120202	VANDERBURGH CO	INH8_02	OHIO RIVER - EVANSVILLE, IN (DOWNSTREAM) TO HENDERSON, KY	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5120202	VANDERBURGH CO	INH8_02	OHIO RIVER - EVANSVILLE, IN (DOWNSTREAM) TO HENDERSON, KY	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5120202	VANDERBURGH CO	INH8_03	OHIO RIVER - HENDERSON, KY TO CANOE CREEK (KY)	E. COLI
OHIO RIVER TRIBUTARIES	5120202	VANDERBURGH CO	INH8_03	OHIO RIVER - HENDERSON, KY TO CANOE CREEK (KY)	TEMPERATURE
OHIO RIVER TRIBUTARIES	5120202	VANDERBURGH CO	INH8_03	OHIO RIVER - HENDERSON, KY TO CANOE CREEK (KY)	DISSOLVED OXYGEN
OHIO RIVER TRIBUTARIES	5120202	VANDERBURGH CO	INH8_03	OHIO RIVER - HENDERSON, KY TO CANOE CREEK (KY)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5120202	VANDERBURGH CO	INH8_03	OHIO RIVER - HENDERSON, KY TO CANOE CREEK (KY)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5120202	VANDERBURGH CO	INH8_03	OHIO RIVER - HENDERSON, KY TO CANOE CREEK (KY)	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5120202	VANDERBURGH CO	INH8_03	OHIO RIVER - HENDERSON, KY TO CANOE CREEK (KY)	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5120202	VANDERBURGH CO	INH8_04	OHIO RIVER - CANOE CREEK (KY) TO BAYOU CREEK (IN)	E. COLI
OHIO RIVER TRIBUTARIES	5120202	VANDERBURGH CO	INH8_04	OHIO RIVER - CANOE CREEK (KY) TO BAYOU CREEK (IN)	TEMPERATURE
OHIO RIVER TRIBUTARIES	5120202	VANDERBURGH CO	INH8_04	OHIO RIVER - CANOE CREEK (KY) TO BAYOU CREEK (IN)	DISSOLVED OXYGEN
OHIO RIVER TRIBUTARIES	5120202	VANDERBURGH CO	INH8_04	OHIO RIVER - CANOE CREEK (KY) TO BAYOU CREEK (IN)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5120202	VANDERBURGH CO	INH8_04	OHIO RIVER - CANOE CREEK (KY) TO BAYOU CREEK (IN)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5120202	VANDERBURGH CO	INH8_04	OHIO RIVER - CANOE CREEK (KY) TO BAYOU CREEK (IN)	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5120202	VANDERBURGH CO	INH8_04	OHIO RIVER - CANOE CREEK (KY) TO BAYOU CREEK (IN)	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_05	OHIO RIVER - BAYOU CREEK (IN) TO DS END OF OHIO RIVER CHANNEL NORTH OF DIAMOND ISLAND	E. COLI

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OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_05	OHIO RIVER - BAYOU CREEK (IN) TO DS END OF OHIO RIVER CHANNEL NORTH OF DIAMOND ISLAND	TEMPERATURE
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_05	OHIO RIVER - BAYOU CREEK (IN) TO DS END OF OHIO RIVER CHANNEL NORTH OF DIAMOND ISLAND	DISSOLVED OXYGEN
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_05	OHIO RIVER - BAYOU CREEK (IN) TO DS END OF OHIO RIVER CHANNEL NORTH OF DIAMOND ISLAND	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_05	OHIO RIVER - BAYOU CREEK (IN) TO DS END OF OHIO RIVER CHANNEL NORTH OF DIAMOND ISLAND	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_05	OHIO RIVER - BAYOU CREEK (IN) TO DS END OF OHIO RIVER CHANNEL NORTH OF DIAMOND ISLAND	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_05	OHIO RIVER - BAYOU CREEK (IN) TO DS END OF OHIO RIVER CHANNEL NORTH OF DIAMOND ISLAND	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_06	OHIO RIVER - OHIO RIVER CHANNEL SOUTH OF DIAMOND ISLAND	E. COLI
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_06	OHIO RIVER - OHIO RIVER CHANNEL SOUTH OF DIAMOND ISLAND	TEMPERATURE
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_06	OHIO RIVER - OHIO RIVER CHANNEL SOUTH OF DIAMOND ISLAND	DISSOLVED OXYGEN
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_06	OHIO RIVER - OHIO RIVER CHANNEL SOUTH OF DIAMOND ISLAND	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_06	OHIO RIVER - OHIO RIVER CHANNEL SOUTH OF DIAMOND ISLAND	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_06	OHIO RIVER - OHIO RIVER CHANNEL SOUTH OF DIAMOND ISLAND	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_06	OHIO RIVER - OHIO RIVER CHANNEL SOUTH OF DIAMOND ISLAND	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_07	OHIO RIVER - DS END OF DIAMOND ISLAND TO MOUNT VERNON, IN	E. COLI
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_07	OHIO RIVER - DS END OF DIAMOND ISLAND TO MOUNT VERNON, IN	TEMPERATURE
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_07	OHIO RIVER - DS END OF DIAMOND ISLAND TO MOUNT VERNON, IN	DISSOLVED OXYGEN
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_07	OHIO RIVER - DS END OF DIAMOND ISLAND TO MOUNT VERNON, IN	DIOXIN (WATER)

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OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_07	OHIO RIVER - DS END OF DIAMOND ISLAND TO MOUNT VERNON, IN	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_07	OHIO RIVER - DS END OF DIAMOND ISLAND TO MOUNT VERNON, IN	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_07	OHIO RIVER - DS END OF DIAMOND ISLAND TO MOUNT VERNON, IN	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_08	OHIO RIVER - MOUNT VERNON, IN TO DS END OF OHIO RIVER CHANNEL WEST OF SLIM ISLAND	E. COLI
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_08	OHIO RIVER - MOUNT VERNON, IN TO DS END OF OHIO RIVER CHANNEL WEST OF SLIM ISLAND	TEMPERATURE
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_08	OHIO RIVER - MOUNT VERNON, IN TO DS END OF OHIO RIVER CHANNEL WEST OF SLIM ISLAND	DISSOLVED OXYGEN
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_08	OHIO RIVER - MOUNT VERNON, IN TO DS END OF OHIO RIVER CHANNEL WEST OF SLIM ISLAND	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_08	OHIO RIVER - MOUNT VERNON, IN TO DS END OF OHIO RIVER CHANNEL WEST OF SLIM ISLAND	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_08	OHIO RIVER - MOUNT VERNON, IN TO DS END OF OHIO RIVER CHANNEL WEST OF SLIM ISLAND	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_08	OHIO RIVER - MOUNT VERNON, IN TO DS END OF OHIO RIVER CHANNEL WEST OF SLIM ISLAND	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_09	OHIO RIVER CHANNEL EAST OF SLIM ISLAND	E. COLI
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_09	OHIO RIVER CHANNEL EAST OF SLIM ISLAND	TEMPERATURE
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_09	OHIO RIVER CHANNEL EAST OF SLIM ISLAND	DISSOLVED OXYGEN
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_09	OHIO RIVER CHANNEL EAST OF SLIM ISLAND	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_09	OHIO RIVER CHANNEL EAST OF SLIM ISLAND	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_09	OHIO RIVER CHANNEL EAST OF SLIM ISLAND	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_09	OHIO RIVER CHANNEL EAST OF SLIM ISLAND	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_10	OHIO RIVER - DS END OF SLIM ISLAND TO HOVEY LAKE DRAIN (IN)	E. COLI
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_10	OHIO RIVER - DS END OF SLIM ISLAND TO HOVEY LAKE DRAIN (IN)	TEMPERATURE
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_10	OHIO RIVER - DS END OF SLIM ISLAND TO HOVEY LAKE DRAIN (IN)	DISSOLVED OXYGEN
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_10	OHIO RIVER - DS END OF SLIM ISLAND TO HOVEY LAKE DRAIN (IN)	DIOXIN (WATER)

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_10	OHIO RIVER - DS END OF SLIM ISLAND TO HOVEY LAKE DRAIN (IN)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_10	OHIO RIVER - DS END OF SLIM ISLAND TO HOVEY LAKE DRAIN (IN)	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_10	OHIO RIVER - DS END OF SLIM ISLAND TO HOVEY LAKE DRAIN (IN)	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_11	OHIO RIVER - HOVEY LAKE DRAIN (IN) TO LOST CREEK (KY)	TEMPERATURE
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_11	OHIO RIVER - HOVEY LAKE DRAIN (IN) TO LOST CREEK (KY)	DISSOLVED OXYGEN
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_11	OHIO RIVER - HOVEY LAKE DRAIN (IN) TO LOST CREEK (KY)	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_11	OHIO RIVER - HOVEY LAKE DRAIN (IN) TO LOST CREEK (KY)	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_11	OHIO RIVER - HOVEY LAKE DRAIN (IN) TO LOST CREEK (KY)	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_11	OHIO RIVER - HOVEY LAKE DRAIN (IN) TO LOST CREEK (KY)	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_12	OHIO RIVER - LOST CREEK (KY) TO UNIONTOWN (JOHN T. MYERS) LOCKS	TEMPERATURE
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_12	OHIO RIVER - LOST CREEK (KY) TO UNIONTOWN (JOHN T. MYERS) LOCKS	DISSOLVED OXYGEN
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_12	OHIO RIVER - LOST CREEK (KY) TO UNIONTOWN (JOHN T. MYERS) LOCKS	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_12	OHIO RIVER - LOST CREEK (KY) TO UNIONTOWN (JOHN T. MYERS) LOCKS	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_12	OHIO RIVER - LOST CREEK (KY) TO UNIONTOWN (JOHN T. MYERS) LOCKS	TOTAL MERCURY (FISH TISSUE)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH8_12	OHIO RIVER - LOST CREEK (KY) TO UNIONTOWN (JOHN T. MYERS) LOCKS	TOTAL MERCURY (WATER)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH9_01	OHIO RIVER - UNIONTOWN (JOHN T. MYERS) LOCKS AND DAM TO WABASH RIVER	TEMPERATURE
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH9_01	OHIO RIVER - UNIONTOWN (JOHN T. MYERS) LOCKS AND DAM TO WABASH RIVER	DISSOLVED OXYGEN
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH9_01	OHIO RIVER - UNIONTOWN (JOHN T. MYERS) LOCKS AND DAM TO WABASH RIVER	DIOXIN (WATER)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH9_01	OHIO RIVER - UNIONTOWN (JOHN T. MYERS) LOCKS AND DAM TO WABASH RIVER	PCBS (WATER)
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH9_01	OHIO RIVER - UNIONTOWN (JOHN T. MYERS) LOCKS AND DAM TO WABASH RIVER	TOTAL MERCURY (FISH TISSUE)

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
OHIO RIVER TRIBUTARIES	5120202	POSEY CO	INH9_01	OHIO RIVER - UNIONTOWN (JOHN T. MYERS) LOCKS AND DAM TO WABASH RIVER	TOTAL MERCURY (WATER)

Additional Waterbody Impairments Added as a Result of Resegmentation to Support TMDL development for the West Fork Whitewater River Watershed

As noted in previous sections of this report, IDEM added all the impairments addressed by the West Fork Whitewater River watershed TMDL to Category 5 under their new AUIDs resulting from the resegmentation conducted for this TMDL. As a result, a total of twenty two (22) additional impairments were added to the finalized 303(d) list (Table 26) since the draft list was published.

Table 24: Waterbody impairments added to Category 5 pending resolution of segmentation tracking issues associated with the West Fork Whitewater River watershed TMDL.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
GREAT MIAMI	050800030101	WAYNE CO	ING0311_01	MORGAN CREEK	E. COLI
GREAT MIAMI	050800030101	WAYNE CO	ING0311_T1002	WEST BROOK	E. COLI
GREAT MIAMI	050800030102	RANDOLPH CO/WAYNE CO	ING0312_01	MARTINDALE CREEK	E. COLI
GREAT MIAMI	050800030104	RANDOLPH CO/WAYNE CO	ING0314_04	WHITEWATER RIVER	E. COLI
GREAT MIAMI	050800030106	FAYETTE CO/HENRY CO	ING0316_T1006	DUCK CREEK	E. COLI
GREAT MIAMI	050800030107	WAYNE CO	ING0317_01	MARTINDALE CREEK	E. COLI
GREAT MIAMI	050800030108	WAYNE CO	ING0318_01	WHITEWATER RIVER	E. COLI
GREAT MIAMI	050800030108	WAYNE CO	ING0318_T1002	BEAR CREEK	E. COLI
GREAT MIAMI	050800030108	HENRY CO/WAYNE CO	ING0318_T1003	BEAR CREEK	E. COLI
GREAT MIAMI	050800030108	WAYNE CO	ING0318_T1007	CREITZ CREEK	E. COLI
GREAT MIAMI	050800030202	RANDOLPH CO/WAYNE CO	ING0322_01	GREENS FORK	E. COLI
GREAT MIAMI	050800030202	RANDOLPH CO	ING0322_T1012	BLOOMINGPORT CREEK	E. COLI
GREAT MIAMI	050800030203	WAYNE CO	ING0323_01	GREENS FORK	E. COLI
GREAT MIAMI	050800030204	WAYNE CO	ING0324_01	GREENS FORK	E. COLI
GREAT MIAMI	050800030302	WAYNE CO	ING0332_02	NOLANDS FORK	E. COLI
GREAT MIAMI	050800030303	WAYNE CO	ING0333_01	NOLANDS FORK	E. COLI
GREAT MIAMI	050800030304	WAYNE CO	ING0334_01	NOLANDS FORK	E. COLI
GREAT MIAMI	050800030305	FAYETTE/WAYNE	ING0335_01	NOLANDS FORK	E. COLI
GREAT MIAMI	050800030403	FAYETTE CO	ING0343_01	WILLIAMS CREEK	E. COLI
GREAT MIAMI	050800030403	FAYETTE CO	ING0343_02	LITTLE WILLIAMS CREEK	E. COLI
GREAT MIAMI	050800030408	FAYETTE CO/FRANKLIN CO	ING0348_T1003	BEAR CREEK	E. COLI
GREAT MIAMI	50800030103	RANDOLPH CO/WAYNE CO	ING0313_06*	NETTLE CREEK	E. COLI
GREAT MIAMI	050800030108	WAYNE CO	ING0318_02	WHITEWATER RIVER	E. COLI

*ING0313_06 was correctly added to the draft 303(d) list and is included in this table to provide a complete list of the new AUIDs associated with the impairments addressed in the TMDL and to simplify tracking by U.S. EPA.

Additional Waterbody Impairments Added as a Result of Other Resegmentations Completed or Finalized after the Draft 303(d) was Published

Since the draft 303(d) list was published, IDEM finalized its segmentation tracking table, which resulted in an additional one hundred sixty one (161) impairments placed in Category 5 based on resegmentation (Table 25). These impairments, many of which are still pending the reassessment required for resegmentation have been added to Category 5 under their new AUIDs.

Table 25: Additional waterbody impairments added back to Category 5 due to resegmentation finalized after the draft 303(d) list was published.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
UPPER ILLINOIS	71200011301	LAKE CO	INK01D1_T1004	STONY RUN, MIDDLE BRANCH - UNNAMED TRIBUTARY	CHLORIDE
UPPER ILLINOIS	71200030305	LAKE CO	INK0335_01	LITTLE CALUMET RIVER	CHLORIDE
UPPER ILLINOIS	71200030305	LAKE CO	INK0335_02	LITTLE CALUMET RIVER	CHLORIDE
UPPER ILLINOIS	71200030305	LAKE CO	INK0335_03	LITTLE CALUMET RIVER	CHLORIDE
UPPER WABASH	51201070304	CLINTON CO	INB0734_03	WILDCAT CREEK, SOUTH FORK	DISSOLVED OXYGEN
UPPER WABASH	51201070304	CLINTON CO	INB0734_04	TALBERT DITCH	DISSOLVED OXYGEN
LOWER WABASH	51201111506	SULLIVAN CO	INB11G7_T1001	KETTLE CREEK - HEADWATERS	DISSOLVED OXYGEN
LOWER WABASH	51201111506	SULLIVAN CO	INB11G7_T1002	KETTLE CREEK	DISSOLVED OXYGEN
LOWER WABASH	51201111506	SULLIVAN CO	INB11G7_T1003	KETTLE CREEK	DISSOLVED OXYGEN
LOWER WABASH	51201111506	SULLIVAN CO	INB11G7_T1003B	KETTLE CREEK - UNNAMED TRIBUTARY	DISSOLVED OXYGEN
GREAT LAKES	40400010509	LAKE CO/PORTER CO	INC0159_01	LITTLE CALUMET RIVER	DISSOLVED OXYGEN
GREAT MIAMI	50800030804	FRANKLIN CO	ING0384_T1001	LITTLE CEDAR CREEK	DISSOLVED OXYGEN
UPPER ILLINOIS	71200010903	JASPER CO	INK0193_02	HODGE DITCH	DISSOLVED OXYGEN
UPPER ILLINOIS	71200010903	JASPER CO	INK0193_T1001	JAMES DITCH	DISSOLVED OXYGEN
UPPER ILLINOIS	71200010903	JASPER CO	INK0193_T1002	DELEHANTY DITCH	DISSOLVED OXYGEN
UPPER ILLINOIS	71200010903	JASPER CO	INK0193_T1003	SCHATZLEY DITCH	DISSOLVED OXYGEN
UPPER ILLINOIS	71200020501	NEWTON CO	INK0251_02	CHIZUM DITCH	DISSOLVED OXYGEN
UPPER ILLINOIS	71200020505	NEWTON CO	INK0255_T1006	KENT DITCH	DISSOLVED OXYGEN
UPPER ILLINOIS	71200020505	NEWTON CO	INK0255_T1007	MONTGOMERY DITCH	DISSOLVED OXYGEN
UPPER ILLINOIS	71200030305	LAKE CO	INK0335_01	LITTLE CALUMET RIVER	DISSOLVED OXYGEN
UPPER ILLINOIS	71200030305	LAKE CO	INK0335_02	LITTLE CALUMET RIVER	DISSOLVED OXYGEN

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
UPPER ILLINOIS	71200030305	LAKE CO	INK0335_03	LITTLE CALUMET RIVER	DISSOLVED OXYGEN
UPPER WABASH	51201070101	TIPTON CO	INB0711_02	TURKEY CREEK	E. COLI
UPPER WABASH	51201070202	CARROLL CO	INB0722_T1010	WILDCAT CREEK, MIDDLE FORK - UNNAMED TRIBUTARY	E. COLI
UPPER WABASH	51201070402	HOWARD CO	INB0742_T1004	CLAW CREEK	E. COLI
UPPER WABASH	51201070402	HOWARD CO	INB0742_T1005	REED DITCH	E. COLI
UPPER WABASH	51201070403	HOWARD CO	INB0743_T1010	HALIHAN DITCH	E. COLI
LOWER WABASH	51201111502	VIGO CO	INB11G3_04	BUSSEY CREEK, WEST FORK	E. COLI
LOWER WABASH	51201111502	SULLIVAN CO	INB11G3_05	BUSSEY CREEK, WEST FORK	E. COLI
LOWER WABASH	51201111502	SULLIVAN CO	INB11G3_06	BUSSEY CREEK, WEST FORK	E. COLI
GREAT LAKES	40400010205	LAPORTE	INC0125_T1009	GALENA RIVER - UNNAMED TRIBUTARY	E. COLI
GREAT LAKES	40400010301	PORTER CO	INC0131_01	SALT CREEK	E. COLI
GREAT LAKES	40400010301	PORTER CO	INC0131_02	SALT CREEK	E. COLI
GREAT LAKES	40400010301	PORTER CO	INC0131_T1001	SALT CREEK - UNNAMED TRIBUTARY	E. COLI
GREAT LAKES	40400010301	PORTER CO	INC0131_T1002	SALT CREEK - UNNAMED TRIBUTARY	E. COLI
GREAT LAKES	40400010302	PORTER CO	INC0132_01	SALT CREEK	E. COLI
GREAT LAKES	40400010302	PORTER CO	INC0132_02	SALT CREEK	E. COLI
GREAT LAKES	40400010302	PORTER CO	INC0132_T1007	BEAUTY CREEK	E. COLI
GREAT LAKES	40400010302	PORTER CO	INC0132_T1008	SALT CREEK - UNNAMED TRIBUTARY	E. COLI
GREAT LAKES	40400010504	LAKE CO	INC0154_T1001	DEER CREEK	E. COLI
GREAT LAKES	40400010509	PORTER CO	INC0159_02	LITTLE CALUMET RIVER	E. COLI
GREAT MIAMI	50800030106	FAYETTE CO/HENRY CO/WAYNE CO	ING0316_01	SUMMONS CREEK	E. COLI
GREAT MIAMI	50800030107	WAYNE CO	ING0317_T1001	OSER CREEK	E. COLI
GREAT MIAMI	50800030107	WAYNE CO	ING0317_T1002	BEARD RUN	E. COLI
GREAT MIAMI	50800030108	WAYNE CO	ING0318_02	WHITEWATER RIVER	E. COLI
GREAT MIAMI	50800030201	RANDOLPH CO	ING0321_01	MUD CREEK	E. COLI
GREAT MIAMI	50800030203	WAYNE CO	ING0323_T1020	WILLIAMSBURG CREEK	E. COLI
GREAT MIAMI	50800030204	WAYNE CO	ING0324_T1005	FRANKLIN CREEK	E. COLI
GREAT MIAMI	50800030301	RANDOLPH CO/WAYNE CO	ING0331_01	NOLANDS FORK	E. COLI
GREAT MIAMI	50800030802	FRANKLIN CO	ING0382_02	WOLF CREEK	E. COLI
GREAT MIAMI	50800030804	FRANKLIN CO	ING0384_T1001	LITTLE CEDAR CREEK	E. COLI
GREAT MIAMI	50800030806	DEARBORN CO	ING0386_01	WHITEWATER RIVER	E. COLI
GREAT MIAMI	50800030806	DEARBORN CO	ING0386_T1008	JOHNSON FORK - UNNAMED TRIBUTARY	E. COLI

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
UPPER WABASH	51201070102	TIPTON CO	INB0712_02	BROAD CREEK	IMPAIRED BIOTIC COMMUNITIES
UPPER WABASH	51201070102	TIPTON CO	INB0712_T1001	NORTH CREEK	IMPAIRED BIOTIC COMMUNITIES
UPPER WABASH	51201070102	TIPTON CO	INB0712_T1002	BROAD CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
UPPER WABASH	51201070302	TIPTON CO	INB0732_T1001	SHANTY CREEK	IMPAIRED BIOTIC COMMUNITIES
UPPER WABASH	51201070303	CLINTON CO	INB0733_T1002	DAVIS DITCH	IMPAIRED BIOTIC COMMUNITIES
UPPER WABASH	51201070405	HOWARD CO	INB0745_04	WILDCAT CREEK	IMPAIRED BIOTIC COMMUNITIES
UPPER WABASH	51201070405	HOWARD CO	INB0745_T1008	WILDCAT CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
LOWER WABASH	51201111501	SULLIVAN CO/VIGO CO	INB11G1_02	BUSSEY CREEK	IMPAIRED BIOTIC COMMUNITIES
UPPER WABASH	51201111501	SULLIVAN CO	INB11G1_03	BUSSEY CREEK	IMPAIRED BIOTIC COMMUNITIES
LOWER WABASH	51201111501	SULLIVAN CO	INB11G1_04	BUSSEY CREEK	IMPAIRED BIOTIC COMMUNITIES
LOWER WABASH	51201111505	SULLIVAN CO	INB11G4_01	BUSSEY CREEK	IMPAIRED BIOTIC COMMUNITIES
LOWER WABASH	51201111505	SULLIVAN CO	INB11G4_02	BUSSEY CREEK	IMPAIRED BIOTIC COMMUNITIES
LOWER WABASH	51201111505	SULLIVAN CO	INB11G4_T1001	BUSSEY CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
LOWER WABASH	51201111503	GREENE CO/SULLIVAN CO	INB11G5_02	BIG BRANCH	IMPAIRED BIOTIC COMMUNITIES
LOWER WABASH	51201111505	SULLIVAN	INB11G5_03	BIG BRANCH	IMPAIRED BIOTIC COMMUNITIES
LOWER WABASH	51201111503	SULLIVAN CO	INB11G5_T1001	BIG BRANCH UNNAMED TRIBUTARY (POSSUM HOLLOW)	IMPAIRED BIOTIC COMMUNITIES
LOWER WABASH	51201111503	GREENE CO	INB11G5_T1001C	BIG BRANCH UNNAMED TRIBUTARY (POSSUM HOLLOW)	IMPAIRED BIOTIC COMMUNITIES
LOWER WABASH	51201111506	SULLIVAN	INB11G6_01	BIG BRANCH	IMPAIRED BIOTIC COMMUNITIES
LOWER WABASH	51201111504	SULLIVAN CO	INB11G6_02	BIG BRANCH	IMPAIRED BIOTIC COMMUNITIES
LOWER WABASH	51201111504	GREENE CO	INB11G6_03A	MUD CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
LOWER WABASH	51201111504	GREENE CO	INB11G6_03B	MUD CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
LOWER WABASH	51201111504	GREENE CO	INB11G6_03C	MUD CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
LOWER WABASH	51201111504	SULLIVAN CO	INB11G6_04A	MUD CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
LOWER WABASH	51201111504	SULLIVAN CO	INB11G6_04B	MUD CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
LOWER WABASH	51201111504	SULLIVAN CO	INB11G6_05	MUD CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
LOWER WABASH	51201111506	SULLIVAN CO	INB11G7_T1004	KETTLE CREEK	IMPAIRED BIOTIC COMMUNITIES
LOWER WABASH	51201111508	SULLIVAN CO	INB11G8_01	BUSSEY CREEK	IMPAIRED BIOTIC COMMUNITIES
LOWER WABASH	51201111507	SULLIVAN CO	INB11G9_01	BUTTERMILK CREEK	IMPAIRED BIOTIC COMMUNITIES
LOWER WABASH	51201111509	SULLIVAN CO	INB11GA_01	BUSSEY CREEK	IMPAIRED BIOTIC COMMUNITIES
LOWER WABASH	51201111509	SULLIVAN CO	INB11GA_02C	BUCK CREEK (DOWNSTREAM OF DUGGER, IN)	IMPAIRED BIOTIC COMMUNITIES
LOWER WABASH	51201111512	SULLIVAN CO	INB11GB_01	BUSSEY CREEK	IMPAIRED BIOTIC COMMUNITIES
LOWER WABASH	51201111512	SULLIVAN CO	INB11GB_02	BUSSEY CREEK	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	40400010302	PORTER CO	INC0132_T1008	SALT CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	40400010508	LAKE CO	INC0158_T1005	LITTLE CALUMET RIVER	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	40400010509	PORTER CO	INC0159_02	LITTLE CALUMET RIVER	IMPAIRED BIOTIC COMMUNITIES
GREAT LAKES	40400010603	LAKE CO	INC0163_T1002	MICHIGAN, LAKE - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
GREAT MIAMI	50800030301	RANDOLPH CO/WAYNE CO	ING0331_01	NOLANDS FORK	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200010206	ST. JOSEPH CO	INK0126_01	KANKAKEE RIVER CANAL	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200010206	ST. JOSEPH CO	INK0126_02	KANKAKEE RIVER - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200010206	ST. JOSEPH CO	INK0126_02A	KANKAKEE RIVER - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200010208	LAPORTE CO	INK0128_01A	LITTLE KANKAKEE RIVER	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200010305	ST. JOSEPH CO	INK0135_01	BUNCH DITCH, WEST BRANCH	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200010305	ST. JOSEPH CO	INK0135_01A	BUNCH DITCH, WEST BRANCH - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200010305	MARSHALL CO	INK0135_T1001	MATTINGLY DITCH	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200010402	LAPORTE CO	INK0142_01	KINGSBURY CREEK	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200010403	LAPORTE CO	INK0143_01A	TRAVIS DITCH - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200010405	LAPORTE CO/STARKE CO	INK0145_M1002	KANKAKEE RIVER	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200010408	STARKE CO	INK0148_M1003	KANKAKEE RIVER	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200010704	LAPORTE	INK0174_M1004	KANKAKEE RIVER	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200010806	LAPORTE CO/STARKE CO	INK0186_M1006	KANKAKEE RIVER	IMPAIRED BIOTIC COMMUNITIES

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
UPPER ILLINOIS	71200011002	PORTER CO	INK01A2_T1001	CROOKED CREEK, WEST BRANCH - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200011003	LAPORTE/PORTER	INK01A3_T1005	FORBES DITCH	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200011003	LAPORTE/PORTER	INK01A3_T1006	CROOKED CREEK	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200011004	PORTER CO	INK01A4_T1001	CAIN DITCH	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200011004	PORTER CO	INK01A4_T1002	KOSELKE DITCH - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200011004	PORTER CO	INK01A4_T1003	KOSELKE DITCH	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200011004	PORTER CO	INK01A4_T1003A	KOSELKE DITCH - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200011007	PORTER CO	INK01A7_02	COBB DITCH	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200011007	PORTER CO	INK01A7_T1001	SELVERS CREEK	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200011301	LAKE CO/PORTER CO	INK01D1_04	STONY RUN, EAST BRANCH	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200011302	LAKE CO	INK01D2_03	STONY RUN HEADWATER	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200011305	LAKE CO	INK01D5_T1001	LITTLE DITCH	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200011305	LAKE CO	INK01D5_T1003	VANNATTI DITCH	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200011306	LAKE CO	INK01D6_05	CEDAR CREEK (DOWNSTREAM OF CEDAR LAKE)	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200011307	LAKE CO	INK01D7_04	BROWN DITCH	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200011307	LAKE CO	INK01D7_T1004	BROWN DITCH - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200011307	LAKE CO	INK01D7_T1005	TULLY DITCH	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200011308	LAKE CO	INK01D8_01A	WEST CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200011308	LAKE CO	INK01D8_01B	WEST CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200011309	LAKE CO	INK01D9_T1011	WEST CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200011309	LAKE CO	INK01D9_T1013	WEST CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200011309	LAKE CO	INK01D9_T1014	WEST CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200020501	NEWTON CO	INK0251_02	CHIZUM DITCH	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200020505	NEWTON CO	INK0255_T1006	KENT DITCH	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200021301	NEWTON CO	INK02D1_02	WENTWORTH CREEK	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200030305	LAKE CO	INK0335_01	LITTLE CALUMET RIVER	IMPAIRED BIOTIC COMMUNITIES

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
UPPER ILLINOIS	71200030305	LAKE CO	INK0335_02	LITTLE CALUMET RIVER	IMPAIRED BIOTIC COMMUNITIES
UPPER ILLINOIS	71200030305	LAKE CO	INK0335_03	LITTLE CALUMET RIVER	IMPAIRED BIOTIC COMMUNITIES
LOWER WABASH	51201111504	GREENE CO	INB11G6_03A	MUD CREEK - UNNAMED TRIBUTARY	NUTRIENTS
LOWER WABASH	51201111504	GREENE CO	INB11G6_03B	MUD CREEK - UNNAMED TRIBUTARY	NUTRIENTS
LOWER WABASH	51201111504	GREENE CO	INB11G6_03C	MUD CREEK - UNNAMED TRIBUTARY	NUTRIENTS
LOWER WABASH	51201111504	SULLIVAN CO	INB11G6_04A	MUD CREEK - UNNAMED TRIBUTARY	NUTRIENTS
LOWER WABASH	51201111504	SULLIVAN CO	INB11G6_04B	MUD CREEK - UNNAMED TRIBUTARY	NUTRIENTS
LOWER WABASH	51201111504	SULLIVAN CO	INB11G6_05	MUD CREEK - UNNAMED TRIBUTARY	NUTRIENTS
LOWER WABASH	51201111509	SULLIVAN CO	INB11GA_02A	BUCK CREEK - HEADWATERS	NUTRIENTS
LOWER WABASH	51201111509	SULLIVAN CO	INB11GA_02B	BUCK CREEK (SULLIVAN, IN)	NUTRIENTS
LOWER WABASH	51201111509	SULLIVAN CO	INB11GA_02C	BUCK CREEK (DOWNSTREAM OF DUGGER, IN)	NUTRIENTS
UPPER ILLINOIS	71200011301	LAKE CO	INK01D1_T1004	STONY RUN, MIDDLE BRANCH - UNNAMED TRIBUTARY	NUTRIENTS
UPPER ILLINOIS	71200020501	NEWTON CO	INK0251_02	CHIZUM DITCH	NUTRIENTS
UPPER ILLINOIS	71200020505	NEWTON CO	INK0255_T1007	MONTGOMERY DITCH	NUTRIENTS
UPPER WABASH	51201070405	HOWARD CO	INB0745_04	WILDCAT CREEK	PCBS (FISH TISSUE)
UPPER WABASH	51201070407	CARROLL CO	INB0747_01	WILDCAT CREEK	PCBS (FISH TISSUE)
UPPER WABASH	51201070407	CARROLL CO	INB0747_T1005	WILDCAT CREEK - UNNAMED TRIBUTARY	PCBS (FISH TISSUE)
GREAT LAKES	40400010509	PORTER CO	INC0159_02	LITTLE CALUMET RIVER	PCBS (FISH TISSUE)
GREAT LAKES	40400010509	PORTER CO	INC0159_T1001	WILLOW CREEK	PCBS (FISH TISSUE)
GREAT MIAMI	50800030602	FRANKLIN CO	ING0362_01	WHITEWATER CANAL	PCBS (FISH TISSUE)
UPPER ILLINOIS	71200010405	LAPORTE CO/STARKE CO	INK0145_M1002	KANKAKEE RIVER	PCBS (FISH TISSUE)
UPPER ILLINOIS	71200010901	JASPER CO	INK0191_01	WOLF CREEK	PCBS (FISH TISSUE)
UPPER ILLINOIS	71200010901	JASPER CO	INK0191_T1001	LATERAL NO. 77	PCBS (FISH TISSUE)
UPPER ILLINOIS	71200010901	JASPER CO	INK0191_T1002	SCHRADER DITCH	PCBS (FISH TISSUE)
UPPER ILLINOIS	71200010901	JASPER CO	INK0191_T1003	WOLF CREEK - UNNAMED TRIBUTARY (WHEATFIELD, IN)	PCBS (FISH TISSUE)
UPPER ILLINOIS	71200011103		INK01B3_01	HIBLER DITCH - UNNAMED TRIBUTARY	PCBS (FISH TISSUE)

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
UPPER ILLINOIS	71200030305	LAKE CO	INK0335_01	LITTLE CALUMET RIVER	PCBS (FISH TISSUE)
UPPER ILLINOIS	71200030305	LAKE CO	INK0335_02	LITTLE CALUMET RIVER	PCBS (FISH TISSUE)
UPPER ILLINOIS	71200030305	LAKE CO	INK0335_03	LITTLE CALUMET RIVER	PCBS (FISH TISSUE)
UPPER ILLINOIS	71200010306	KOSCIUSKO CO	INK0136_T1001	LAKE ARM	PH
GREAT LAKES	40400010504	LAKE CO/PORTER CO	INC0154_T1003	DEEP RIVER TRIBUTARY MERRILLVILLE	SILTATION
UPPER WABASH	51201070405	HOWARD CO	INB0745_04	WILDCAT CREEK	TOTAL MERCURY (FISH TISSUE)

Waterbody Impairments Added to Category 5 Pending TMDL Approval

IDEM continues to make significant progress in TMDL development. In the draft list, IDEM proposed to add several impairments to Category 4A based on the development of the TMDLs shown in Table 26. Although these TMDLs are completed, they are at various stages in the U.S. EPA approval process. Based on U.S. EPA policy, impairments must remain in Category 5 until the TMDLs developed for them are approved. Given this, IDEM has added a total of one hundred fifty one (151) impairments included in these TMDL to Category 5 pending U.S. EPA approval (Table 27).

Table 26: TMDLs pending approval by U.S. EPA.

KEY	TMDL DOCUMENT
A	Busseron Creek Watershed TMDL
B	Total Maximum Daily Load for Escherichia coli (E. coli) For the Galena River Watershed, La Porte and St. Joseph Counties
C	Total Maximum Daily Load for Escherichia coli (E. coli) For the Upper Wildcat Creek Watershed, Howard, Tipton, Grant, and Madison Counties
D	Total Maximum Daily Load for Escherichia coli (E. coli) For the Middle Fork Wildcat Creek Watershed, Clinton, Carroll, Tippecanoe, and Howard Counties
E	Total Maximum Daily Load for Escherichia coli (E. coli) For the Lower Wildcat Creek Watershed, Carroll, Clinton, Howard, Tippecanoe, and Tipton Counties

Table 27: Impairments originally proposed for Category 4A in the draft 303(d) list but which have been added to Category 5 of the finalized list pending U.S. EPA of the TMDLs developed for them.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT	TMDL KEY
LOWER WABASH	051201111505	SULLIVAN CO	INB11G4_T1003	SULPHUR CREEK (HEADWATER)	IMPAIRED BIOTIC COMMUNITIES	A
LOWER WABASH	051201111505	SULLIVAN CO	INB11G4_T1003	SULPHUR CREEK (HEADWATER)	NUTRIENTS	A
LOWER WABASH	051201111505	SULLIVAN CO	INB11G4_T1003	SULPHUR CREEK (HEADWATER)	PH	A
LOWER WABASH	051201111505	SULLIVAN CO	INB11G4_T1004	SULPHUR CREEK	IMPAIRED BIOTIC COMMUNITIES	A
LOWER WABASH	051201111505	SULLIVAN CO	INB11G4_T1004	SULPHUR CREEK	NUTRIENTS	A

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT	TMDL KEY
LOWER WABASH	051201111505	SULLIVAN CO	INB11G4_T1004	SULPHUR CREEK	PH	A
LOWER WABASH	051201111504	GREENE CO/SULLIVAN CO	INB11G6_03	MUD CREEK	IMPAIRED BIOTIC COMMUNITIES	A
LOWER WABASH	051201111504	GREENE CO/SULLIVAN CO	INB11G6_03	MUD CREEK	NUTRIENTS	A
LOWER WABASH	051201111504	SULLIVAN CO	INB11G6_04	MUD CREEK	IMPAIRED BIOTIC COMMUNITIES	A
LOWER WABASH	051201111504	SULLIVAN CO	INB11G6_04	MUD CREEK	NUTRIENTS	A
LOWER WABASH	051201111509	SULLIVAN CO	INB11GA_03	ROBBINS BRANCH	IMPAIRED BIOTIC COMMUNITIES	A
LOWER WABASH	051201111509	SULLIVAN CO	INB11GA_03	ROBBINS BRANCH	NUTRIENTS	A
LOWER WABASH	051201111509	SULLIVAN CO	INB11GA_T1001	BUCK CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES	A
LOWER WABASH	051201111509	SULLIVAN CO	INB11GA_T1001	BUCK CREEK - UNNAMED TRIBUTARY	NUTRIENTS	A
LOWER WABASH	051201111509	SULLIVAN	INB11GA_T1002	BUCK CREEK - UNNAMED TRIBUTARY	IMPAIRED BIOTIC COMMUNITIES	A
LOWER WABASH	051201111509	SULLIVAN	INB11GA_T1002	BUCK CREEK - UNNAMED TRIBUTARY	NUTRIENTS	A
GREAT LAKES	040400010204	LAPORTE CO	INC0124_T1001	SPRING CREEK - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010204	LAPORTE CO	INC0124_T1001A	SPRING CREEK - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010204	LAPORTE CO	INC0124_T1001B	SPRING CREEK - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010204	LAPORTE CO	INC0124_T1001B1	SPRING CREEK - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010204	LAPORTE CO	INC0124_T1001B2	SPRING CREEK - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010204	LAPORTE	INC0124_T1002	SPRING CREEK - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010204	LAPORTE CO	INC0124_T1002A	SPRING CREEK - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010204	LAPORTE CO	INC0124_T1002B	SPRING CREEK - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010204	LAPORTE	INC0124_T1003	SPRING CREEK - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010204	LAPORTE CO	INC0124_T1004	SPRING CREEK	E. COLI	B

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT	TMDL KEY
GREAT LAKES	040400010205	LAPORTE CO	INC0125_01	GALENA RIVER	E. COLI	B
GREAT LAKES	040400010205	LAPORTE	INC0125_02	GALENA RIVER	E. COLI	B
GREAT LAKES	040400010205	LAPORTE	INC0125_02A	GALENA RIVER - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010205	LAPORTE	INC0125_02B	GALENA RIVER - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010205	LAPORTE	INC0125_02B1	GALENA RIVER - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010205	LAPORTE	INC0125_02C	GALENA RIVER - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010205	LAPORTE	INC0125_02D	GALENA RIVER - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010205	LAPORTE	INC0125_02E	GALENA RIVER - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010205	LAPORTE	INC0125_03	GALENA RIVER	E. COLI	B
GREAT LAKES	040400010205	LAPORTE CO	INC0125_T1001	GALENA RIVER - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010205	LAPORTE CO	INC0125_T1001A	GALENA RIVER - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010205	LAPORTE CO	INC0125_T1001A1	GALENA RIVER - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010205	LAPORTE CO	INC0125_T1001A2	GALENA RIVER - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010205	LAPORTE CO	INC0125_T1001B	GALENA RIVER - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010205	LAPORTE CO	INC0125_T1002	GALENA RIVER - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010205	LAPORTE CO	INC0125_T1002A	GALENA RIVER - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010205	LAPORTE CO	INC0125_T1002A1	GALENA RIVER - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010205	LAPORTE CO	INC0125_T1002B	GALENA RIVER - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010205	LAPORTE CO	INC0125_T1002C	GALENA RIVER - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010205	LAPORTE CO	INC0125_T1003	GALENA RIVER - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010205	LAPORTE CO	INC0125_T1004	GALENA RIVER - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010205	LAPORTE CO	INC0125_T1005	WARRICK DITCH	E. COLI	B

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT	TMDL KEY
GREAT LAKES	040400010205	LAPORTE	INC0125_T1006	GALENA RIVER - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010205	LAPORTE	INC0125_T1007	GALENA RIVER - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010205	LAPORTE CO	INC0125_T1008	GALENA RIVER - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010205	LAPORTE	INC0125_T1008C	GALENA RIVER - UNNAMED TRIBUTARY	E. COLI	B
GREAT LAKES	040400010205	LAPORTE	INC0125_T1010	GALENA RIVER - UNNAMED TRIBUTARY	E. COLI	B
UPPER WABASH	051201070102	TIPTON CO	INB0712_02	BROAD CREEK	E. COLI	C
UPPER WABASH	051201070102	TIPTON CO	INB0712_T1001	NORTH CREEK	E. COLI	C
UPPER WABASH	051201070102	TIPTON CO	INB0712_T1002	BROAD CREEK - UNNAMED TRIBUTARY	E. COLI	C
UPPER WABASH	051201070103	TIPTON CO	INB0713_01	TURKEY CREEK	E. COLI	C
UPPER WABASH	051201070103	TIPTON CO	INB0713_T1001	TURKEY CREEK - UNNAMED TRIBUTARY	E. COLI	C
UPPER WABASH	051201070103	TIPTON CO	INB0713_T1002	TURKEY CREEK - UNNAMED TRIBUTARY	E. COLI	C
UPPER WABASH	051201070103	TIPTON CO	INB0713_T1003	TURKEY CREEK - UNNAMED TRIBUTARY	E. COLI	C
UPPER WABASH	051201070103	TIPTON CO	INB0713_T1004	TURKEY CREEK - UNNAMED TRIBUTARY	E. COLI	C
UPPER WABASH	051201070104	GRANT CO	INB0714_01	WILDCAT CREEK	E. COLI	C
UPPER WABASH	051201070104	GRANT CO	INB0714_T1005	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	C
UPPER WABASH	051201070104	GRANT CO	INB0714_T1006	POLEY WALK	E. COLI	C
UPPER WABASH	051201070104	TIPTON CO	INB0714_T1007	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	C
UPPER WABASH	051201070105	GRANT CO	INB0715_02	GRASSY FORK	E. COLI	C
UPPER WABASH	051201070105	GRANT CO	INB0715_T1002	PRAIRIE RUN	E. COLI	C
UPPER WABASH	051201070106	HOWARD CO	INB0716_04	MUD CREEK	E. COLI	C
UPPER WABASH	051201070106	TIPTON CO	INB0716_T1001	IRWIN CREEK	E. COLI	C
UPPER WABASH	051201070106	TIPTON CO	INB0716_T1002	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	C

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT	TMDL KEY
UPPER WABASH	051201070106	TIPTON CO	INB0716_T1003	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	C
UPPER WABASH	051201070106	TIPTON CO	INB0716_T1004	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	C
UPPER WABASH	051201070107	HOWARD CO	INB0717_01	WILDCAT CREEK	E. COLI	C
UPPER WABASH	051201070107	HOWARD CO	INB0717_T1009	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	C
UPPER WABASH	051201070107	HOWARD CO	INB0717_T1010	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	C
UPPER WABASH	051201070107	HOWARD CO	INB0717_T1011	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	C
UPPER WABASH	051201070108	HOWARD CO	INB0718_01	KOKOMO CREEK	E. COLI	C
UPPER WABASH	051201070108	HOWARD CO	INB0718_02	KOKOMO CREEK	E. COLI	C
UPPER WABASH	051201070108	HOWARD CO	INB0718_T1005	KOKOMO CREEK - UNNAMED TRIBUTARY	E. COLI	C
UPPER WABASH	051201070108	HOWARD CO	INB0718_T1006	KOKOMO CREEK - UNNAMED TRIBUTARY	E. COLI	C
UPPER WABASH	051201070108	HOWARD CO	INB0718_T1007	KOKOMO CREEK - UNNAMED TRIBUTARY	E. COLI	C
UPPER WABASH	051201070108	HOWARD CO	INB0718_T1008	MARTIN-YOUNGMAN DITCH	E. COLI	C
UPPER WABASH	051201070109	HOWARD CO	INB0719_01	WILDCAT CREEK	E. COLI	C
UPPER WABASH	051201070109	HOWARD CO	INB0719_T1001	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	C
UPPER WABASH	051201070109	HOWARD CO	INB0719_T1002	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	C
UPPER WABASH	051201070109	HOWARD CO	INB0719_T1003	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	C
UPPER WABASH	051201070201	CLINTON CO	INB0721_01	WILDCAT CREEK, MIDDLE FORK	E. COLI	D
UPPER WABASH	051201070201	CLINTON CO	INB0721_T1012	WILDCAT CREEK, MIDDLE FORK - UNNAMED TRIBUTARY	E. COLI	D
UPPER WABASH	051201070201	CLINTON CO	INB0721_T1013	WHITEMAN DITCH	E. COLI	D
UPPER WABASH	051201070201	CARROLL CO	INB0721_T1014	HARNESS DITCH	E. COLI	D
UPPER WABASH	051201070202	CARROLL CO	INB0722_01	WILDCAT CREEK, MIDDLE FORK	E. COLI	D
UPPER WABASH	051201070202	CARROLL CO	INB0722_01A	UNNAMED STREAM (CLINTON-CARROLL COUNTY LINE)	E. COLI	D

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT	TMDL KEY
UPPER WABASH	051201070202	CARROLL CO	INB0722_T1011	WILDCAT CREEK, MIDDLE FORK - UNNAMED TRIBUTARY	E. COLI	D
UPPER WABASH	051201070202	CARROLL CO	INB0722_T1012	WILDCAT CREEK, MIDDLE FORK - UNNAMED TRIBUTARY	E. COLI	D
UPPER WABASH	051201070202	CARROLL CO	INB0722_T1013	MIDDLE FORK BRANCH - SCOFIELD DITCH	E. COLI	D
UPPER WABASH	051201070202	CLINTON CO	INB0722_T1014	ROBINSON BRANCH	E. COLI	D
UPPER WABASH	051201070203	CLINTON CO	INB0723_01	CAMPBELLS RUN	E. COLI	D
UPPER WABASH	051201070203	CLINTON CO	INB0723_02	CAMPBELLS RUN	E. COLI	D
UPPER WABASH	051201070203	CLINTON CO	INB0723_T1012	CRIFE RUN	E. COLI	D
UPPER WABASH	051201070204	CARROLL CO	INB0724_01	WILDCAT CREEK, MIDDLE FORK	E. COLI	D
UPPER WABASH	051201070204	CLINTON CO	INB0724_02A	WILDCAT CREEK, MIDDLE FORK - UNNAMED TRIBUTARY	E. COLI	D
UPPER WABASH	051201070204	CLINTON CO	INB0724_02B	WILDCAT CREEK, MIDDLE FORK - UNNAMED TRIBUTARY	E. COLI	D
UPPER WABASH	051201070204	CLINTON CO	INB0724_T1001	WILDCAT CREEK, MIDDLE FORK - UNNAMED TRIBUTARY	E. COLI	D
UPPER WABASH	051201070204	CLINTON CO	INB0724_T1002	WILDCAT CREEK, MIDDLE FORK - UNNAMED TRIBUTARY	E. COLI	D
UPPER WABASH	051201070204	CARROLL CO	INB0724_T1003	WILDCAT CREEK, MIDDLE FORK - UNNAMED TRIBUTARY	E. COLI	D
UPPER WABASH	051201070205	CARROLL CO	INB0725_01	WILDCAT CREEK, MIDDLE FORK	E. COLI	D
UPPER WABASH	051201070205	CARROLL CO	INB0725_02	WILDCAT CREEK, MIDDLE FORK	E. COLI	D
UPPER WABASH	051201070205	CARROLL CO	INB0725_02A	WILDCAT CREEK, MIDDLE FORK - UNNAMED TRIBUTARY	E. COLI	D
UPPER WABASH	051201070205	CARROLL CO	INB0725_T1012	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	D
UPPER WABASH	051201070205	CARROLL CO	INB0725_T1013	DUNK CREEK	E. COLI	D
UPPER WABASH	051201070205	CLINTON CO	INB0725_T1014	HOG RUN	E. COLI	D
UPPER WABASH	051201070205	CARROLL CO	INB0725_T1015	HOFFMAN DITCH	E. COLI	D
UPPER WABASH	051201070401	HOWARD CO	INB0741_03	WILDCAT CREEK, LITTLE, EAST FORK	E. COLI	E

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT	TMDL KEY
UPPER WABASH	051201070401	TIPTON CO	INB0741_04	WILDCAT CREEK, LITTLE, WEST FORK	E. COLI	E
UPPER WABASH	051201070401	TIPTON CO	INB0741_T1006	KELLY DITCH	E. COLI	E
UPPER WABASH	051201070402	HOWARD CO	INB0742_04	WILDCAT CREEK, LITTLE	E. COLI	E
UPPER WABASH	051201070402	HOWARD CO	INB0742_T1006	VOGUS DITCH	E. COLI	E
UPPER WABASH	051201070403	HOWARD CO	INB0743_04	WILDCAT CREEK	E. COLI	E
UPPER WABASH	051201070403	HOWARD CO	INB0743_T1006	SHAMBAUGH RUN	E. COLI	E
UPPER WABASH	051201070403	HOWARD CO	INB0743_T1007	KITTY RUN	E. COLI	E
UPPER WABASH	051201070403	HOWARD CO	INB0743_T1008	EDWARDS DITCH	E. COLI	E
UPPER WABASH	051201070403	HOWARD CO	INB0743_T1009	SPRING RUN	E. COLI	E
UPPER WABASH	051201070404	HOWARD CO	INB0744_01	HONEY CREEK	E. COLI	E
UPPER WABASH	051201070404	HOWARD CO	INB0744_02	HONEY CREEK, WEST	E. COLI	E
UPPER WABASH	051201070404	HOWARD CO	INB0744_T1001	HONEY CREEK - UNNAMED TRIBUTARY	E. COLI	E
UPPER WABASH	051201070404	HOWARD CO	INB0744_T1002	WALNUT FORK	E. COLI	E
UPPER WABASH	051201070405	HOWARD CO	INB0745_04	WILDCAT CREEK	E. COLI	E
UPPER WABASH	051201070405	HOWARD CO	INB0745_T1008	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	E
UPPER WABASH	051201070405	HOWARD CO	INB0745_T1009	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	E
UPPER WABASH	051201070405	HOWARD CO	INB0745_T1010	DEARINGER DITCH- KIDDLE DITCH	E. COLI	E
UPPER WABASH	051201070405	HOWARD CO	INB0745_T1011	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	E
UPPER WABASH	051201070405	HOWARD CO	INB0745_T1012	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	E
UPPER WABASH	051201070405	HOWARD CO	INB0745_T1013	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	E
UPPER WABASH	051201070405	HOWARD CO	INB0745_T1014	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	E
UPPER WABASH	051201070406	HOWARD CO	INB0746_03	WILDCAT CREEK	E. COLI	E

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT	TMDL KEY
UPPER WABASH	051201070406	CARROLL CO	INB0746_03A	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	E
UPPER WABASH	051201070406	CARROLL CO	INB0746_03B	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	E
UPPER WABASH	051201070406	CARROLL CO	INB0746_03C	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	E
UPPER WABASH	051201070406	CARROLL CO	INB0746_03D	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	E
UPPER WABASH	051201070406	HOWARD CO	INB0746_T1005	PETES RUN	E. COLI	E
UPPER WABASH	051201070406	HOWARD CO	INB0746_T1006	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	E
UPPER WABASH	051201070406	CARROLL CO	INB0746_T1007	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	E
UPPER WABASH	051201070406	CARROLL CO	INB0746_T1008	WILDCAT CREEK - UNNAMED TRIBUTARIES (BURLINGTON, IN)	E. COLI	E
UPPER WABASH	051201070407	CARROLL CO	INB0747_01	WILDCAT CREEK	E. COLI	E
UPPER WABASH	051201070407	CARROLL CO	INB0747_T1004	HURRICANE CREEK	E. COLI	E
UPPER WABASH	051201070407	CARROLL CO	INB0747_T1005	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	E
UPPER WABASH	051201070408	CARROLL CO	INB0748_01	WILDCAT CREEK	E. COLI	E
UPPER WABASH	051201070408	CARROLL CO	INB0748_01	WILDCAT CREEK	E. COLI	E
UPPER WABASH	051201070408	CARROLL CO	INB0748_01A	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	E
UPPER WABASH	051201070408	CARROLL CO	INB0748_T1001	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	E
UPPER WABASH	051201070408	CARROLL CO	INB0748_T1002	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	E
UPPER WABASH	051201070408	CARROLL CO	INB0748_T1003	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	E
UPPER WABASH	051201070408	CARROLL CO	INB0748_T1004	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	E
UPPER WABASH	051201070409	TIPPECANOE CO	INB0749_01	WILDCAT CREEK	E. COLI	E
UPPER WABASH	051201070409	TIPPECANOE CO	INB0749_02	WILDCAT CREEK	E. COLI	E
UPPER WABASH	051201070409	TIPPECANOE CO	INB0749_03	WILDCAT CREEK	E. COLI	E
UPPER WABASH	051201070409	CARROLL CO	INB0749_T1003	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	E

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT	TMDL KEY
UPPER WABASH	051201070409	TIPPECANOE CO	INB0749_T1004	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	E
UPPER WABASH	051201070409	TIPPECANOE CO	INB0749_T1005	WILDCAT CREEK - UNNAMED TRIBUTARY	E. COLI	E
UPPER WABASH	051201070409	TIPPECANOE CO	INB0749_T1006	DRY RUN	E. COLI	E

Waterbody Impairments Added to Category 5 as a Result of IDEM's Rotating Basin Assessments

For the draft 303(d) list, IDEM proposed to add a total of four hundred forty four (444) impairments to Category 5 of the Consolidated List based on routine assessments, which for the 2010 cycle, included a statewide assessment of macroinvertebrate data collected for the development of IDEM's new macroinvertebrate index of biotic integrity (mIBI).

No new additions to Category 5 based on rotating basin assessments have been identified since the draft 303(d) list was published. However, not all of the impairments identified in the draft 303(d) list were incorporated into the finalized 303(d) list as proposed based on the changes to Indiana's WQS from total metals criteria to dissolved metals criteria and IDEM's decision not to use derived criteria in assessment and listing processes and corrections based on finalized reassessment results for free cyanide and sulfate.

Therefore, IDEM has added a total of two hundred eighty seven (287) impairments to Category 5 as a result of the rotating basin and statewide macroinvertebrate assessments conducted for the 2010 cycle. These impairments are identified in Attachment 1 (Table A9).

Waterbody Impairments Added to Category 5 as a Result of Information Received after the 2008 303(d) List was Approved

Since the draft 303(d) list was published, IDEM completed statewide reassessments for sulfate and cyanide in order to ensure proper application of the new water quality criteria approved by U.S. EPA in 2007. Based on these reassessments, IDEM has added a total of twenty six (26) impairments to Category 5 for the 2010 cycle, which includes additional free cyanide and sulfate impairments identified after the draft 303(d) list was published. These changes are discussed in more detail in the following sections of this report.

Additional Impairments Added to Category 5 Based on IDEM's Statewide Reassessment for Sulfate Completed after the Draft 303(d) List was Published

At the time the draft list was being developed, IDEM was in the process of completing a statewide reassessment for sulfate based on changes in Indiana's WQS. IDEM has since completed this reassessment, reviewing all available data upon which previous sulfate assessments were based. The reassessment for sulfate identified one (1) impairment that (Table 28) that must now be added to Category 5 of Indiana's finalized 303(d) list.

Table 28: Additional impairment added to Category 5 of Indiana's finalized list based on IDEM's completion of a statewide sulfate reassessment.

BASIN NAME	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
PATOKA	05120209070010	PIKE CO	INP0971_T1021	SOUTH FORK PATOKA RIVER	SULFATE

Additional Impairments Added to Category 5 Based on IDEM's Statewide Reassessment for Cyanide Completed after the Draft 303(d) List was Published

At the time the draft list was being developed, IDEM was in the process of completing a statewide reassessment for cyanide based on changes in Indiana's WQS. IDEM has since completed this reassessment, reviewing all available data upon which previous cyanide assessments were based. The reassessment for free cyanide identified an additional twenty four (24) impairments (Table 29) that must now be added to Category 5 of Indiana's finalized 303(d) list.

Table 29: Additional impairments added to Category 5 of Indiana's finalized list based on IDEM's completion of a statewide reassessment for free cyanide.

BASIN NAME	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
GREAT LAKES	04100003050060	DEKALB CO	INA0356_01	FISH CREEK	FREE CYANIDE
GREAT LAKES	05140005010040	ALLEN CO	INA0514_M1006	MAUMEE RIVER	FREE CYANIDE
UPPER WABASH	05120101090020	HUNTINGTON CO	INB0192_T1009	WABASH RIVER	FREE CYANIDE
UPPER WABASH	05120103060100	MIAMI CO	INB036A_00	MISSISSINAWA RIVER (BELOW DAM)	FREE CYANIDE
UPPER WABASH	05120104070060	CASS CO	INB0476_T1021	EEL RIVER	FREE CYANIDE
UPPER WABASH	05120106060110	PULASKI CO	INB066B_T1025	TIPPECANOE RIVER	FREE CYANIDE
UPPER WABASH	05120107050010	TIPPECANOE CO	INB0749_02	WILDCAT CREEK	FREE CYANIDE
UPPER WABASH	05120110400050	VIGO CO	INB1145_M1003	WABASH RIVER	FREE CYANIDE
LOWER WABASH	051201111512	SULLIVAN CO	INB11GD_01	BUSSEY CREEK	FREE CYANIDE
LOWER WABASH	05120113040010	GIBSON CO	INB1341_M1006	WABASH RIVER	FREE CYANIDE
GREAT LAKES	40400010103	LAPORTE CO	INC0113_02	TRAIL CREEK, WEST BRANCH	FREE CYANIDE
GREAT LAKES	40400010508	LAKE CO	INC0158_01	DEEP RIVER	FREE CYANIDE
GREAT LAKES	40400010603	LAKE CO	INC0163G_G1078	MICHIGAN, LAKE (SHORELINE)	FREE CYANIDE
GREAT MIAMI	05080003070180	FRANKLIN CO	ING037H_01	WHITEWATER RIVER, EAST FORK	FREE CYANIDE
GREAT LAKES	04050001220010	ELKHART CO	INJ01P1_M1007	ST. JOSEPH RIVER	FREE CYANIDE
UPPER ILLINOIS	71200011103	NEWTON CO	INK01B3_M1010	KANKAKEE RIVER	FREE CYANIDE
OHIO RIVER TRIBUTARIES	051401040805	WASHINGTON CO	INN04E1_T1040	BLUE RIVER	FREE CYANIDE
PATOKA	05120209060050	PIKE CO	INP0965_T1012	PATOKA RIVER	FREE CYANIDE
WEST FORK WHITE	05120201090050	MARION CO	INW0195_M1054	WHITE RIVER	FREE CYANIDE
WEST FORK WHITE	05120201100120	HAMILTON CO	INW01AC_T1046	FALL CREEK	FREE CYANIDE

BASIN NAME	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
WEST FORK WHITE	05120203060170	PUTNAM CO	INW036H_00	FALL CREEK	FREE CYANIDE
WEST FORK WHITE	05120204060050	HANCOCK CO	INW0465_T1032	SUGAR CREEK	FREE CYANIDE
WEST FORK WHITE	05120206040030	JACKSON CO	INW0643_M1016	WHITE RIVER, EAST FORK	FREE CYANIDE
WEST FORK WHITE	05120207070010	JENNINGS CO	INW0771_00	VERNON FORK MUSCATATUCK RIVER	FREE CYANIDE

In the draft 303(d) list, IDEM also proposed to remove the following total cyanide impairment from Category 5 based on routine assessments. However, upon completion of IDEM's statewide reassessment for cyanide, this reach was found to be impaired for free cyanide. Therefore, this reach will remain on Indiana's 303(d) list for free cyanide (Table 30).

Table 30: Cyanide impairment originally proposed to be removed from Indiana's draft 303(d) list (Category 5) based on IDEM's rotating basin assessments but subsequently found to be impaired based on IDEM's statewide reassessment for free cyanide.

BASIN	HYDROLOGIC UNIT CODE	COUNTY	ASSESSMENT UNIT ID	ASSESSMENT UNIT NAME	CAUSE OF IMPAIRMENT
WEST FORK WHITE	5120201140030	MORGAN CO	INW01E3_M1079	WHITE RIVER	FREE CYANIDE

SUMMARY OF CHANGES AND THE FINALIZED 303(d) LIST FOR 2010

Table 31 summarizes the removals from and additions to Indiana's 303(d) list (Category 5) in terms of individual assessment units. Tables 32 and 33 provide a comparison of the 2008 and 2010 303(d) lists by individual assessment units and by parameter, respectively. Table 34 summarizes the changes to Indiana's 303(d) List of Impaired Waters by impairments.

As a result of these changes, Indiana's 2010 303(d) list contains a total of three thousand five hundred thirty four (3,534) individual impairments compared to two thousand six hundred eighty two (2,682) individual impairments for the 2008 303(d) list (assessment units with multiple impairments are listed once for each impairment).

Attachment 1, Table A11 consists of all impairments in Categories 5A and 5B of Indiana's Consolidated List, which together comprise Indiana's 2010 303(d) List of Impaired Waters.

Table 31: Changes to Indiana's previously approved 303(d) List of Impaired Waters in terms of individual assessment units in terms of waterbody type and their associated stream miles or lake acres.

NATURE OF CHANGES TO 303(D) LIST	NUMBER OF STREAM ASSESSMENT UNITS	TOTAL STREAM MILES	NUMBER OF LAKE ASSESSMENT UNITS	TOTAL LAKE ACRES
Waterbody impairments removed from Category 5 as a result of the resegmentation for the 2010 cycle	389	1,721	NA	NA
Waterbody impairments removed from Category 5 based on TMDLs approved for the 2010 cycle*	142	279	0	0
Waterbody impairments removed from Category 5 as a result of IDEM's rotating basin assessments and assessment of a new statewide macroinvertebrate data set	10	100	0	0
Waterbody impairments removed from Category 5 for 2010 based on information received after the 2008 303(d) list was approved	60	552	0	0
Waterbody impairments added to Category 5 as a result of the resegmentation for the 2010 cycle	426	3,494	NA	NA
Waterbody impairments added to Category 5 for the 2010 cycle pending TMDL approval	149	730	0	0
Waterbody impairments added to Category 5 as a result of IDEM's rotating basin assessments and assessment of a new statewide macroinvertebrate data set	192	2,799	0	0
Waterbody impairments added to Category 5 for 2010 based on information received after the 2008 303(d) list was approved	26	158	0	0

*This number does not include forty eight (48) additional impairments that were identified through the TMDL process but which were not previously listed. These impairments were placed directly in Category 4A based on U.S. EPA approval of the TMDLs developed for them. These impairments are included in Attachment 3.

Table 32: Comparison of Indiana's 2008 303(d) List of Impaired Waters and the 2010 303(d) List of Impaired Waters in terms of individual assessment units, waterbody type including their associated stream miles and lake acres.

303(D) LIST	TOTAL NUMBER OF ASSESSMENT UNITS	NUMBER OF STREAM ASSESSMENT UNITS	TOTAL STREAM MILES	NUMBER OF LAKE ASSESSMENT UNITS	TOTAL LAKE ACRES
Approved 2008 303(d) List	1,837	1,698	9,569	139	73,056*
Finalized 2010 303(d) List	2,025	1,886	11,890	139	73,056*

*These totals do not include Lake Michigan (154,176 acres).

Table 33: Changes to Indiana's 303(d) List of Impaired Waters in terms of the number of impairments.

TOTAL NUMBER OF IMPAIRMENTS ON 2008 303(D) LIST	2,682
Waterbody impairments removed from Category 5 as a result of the resegmentation for the 2010 cycle	(526)
Waterbody impairments removed from Category 5 based on TMDLs approved for the 2010 cycle*	(148)
Waterbody impairments removed from Category 5 as a result of IDEM's rotating basin assessments and assessment of a new statewide macroinvertebrate data set	(10)
Waterbody impairments removed from Category 5 for 2010 based on information received after the 2008 303(d) list was approved	(89)
DELISTINGS TOTAL	(773)
Waterbody impairments added to Category 5 as a result of the resegmentation for the 2010 cycle	776
Waterbody impairments added to Category 5 for the 2010 cycle pending TMDL approval	151
Waterbody impairments added to Category 5 as a result of IDEM's rotating basin assessments and assessment of a new statewide macroinvertebrate data set	287
Waterbody impairments added to Category 5 for 2010 based on information received after the 2008 303(d) list was approved	26
ADDITIONS TOTAL	1,240
TOTAL NUMBER OF IMPAIRMENTS ON 2010 303(D) LIST	3,149

*This number does not include forty eight (48) additional impairments that were identified through the TMDL process but which were not previously listed. These impairments were placed directly in Category 4A based on U.S. EPA approval of the TMDLs developed for them. These impairments are included in Attachment 3.

Table 34: Comparison of the 2008 303(d) list and 2010 303(d)-listed impairments by parameter.

CAUSE OF IMPAIRMENT	NUMBER OF IMPAIRMENTS ON INDIANA'S APPROVED 2008 303(d) LIST	NUMBER OF IMPAIRMENTS ON INDIANA'S FINALIZED 2010 303(d) LIST
ALGAE	20	20
AMMONIA	6	8
CHLORIDE	14	16
COPPER	1	0
TOTAL CYANIDE	15	0
FREE CYANIDE	0	27
DIOXIN (WATER)	4	69
DISSOLVED OXYGEN	78	163
E. COLI	930	979
MERCURY (WATER)	0	47
MERCURY (FISH TISSUE)	324	355
PCBs (WATER)	0	69
PCBs (FISH TISSUE)	653	612
IMPAIRED BIOTIC COMMUNITIES	421	570
LEAD	4	0
NICKEL	1	0
NUTRIENTS	63	110
OIL AND GREASE	3	5
PESTICIDES	1	1
PH	9	18
PHOSPHORUS	50	50
SILTATION	3	3
SULFATE	27	1
TASTE AND ODOR	12	12
TEMPERATURE	0	14
TOTAL DISSOLVED SOLIDS	42	0
ZINC	1	0
TOTAL	2,682	3149

STATUS OF INDIANA'S CATEGORY 4 WATERBODY IMPAIRMENTS

In accordance with U.S. EPA guidance⁵, Indiana's Category 4 waters are identified in Indiana's Consolidated List, which is included in Indiana's 2010 Integrated Monitoring and Assessment Report, Appendix F. Category 4 consists of impairments for which a Total Maximum Daily Load (TMDL) is not or no longer required. The subcategories of Indiana's Category 4 list are described below:

- Category 4A consists of impairments for which a TMDL has been approved by USEPA and is expected to result in attainment of all applicable WQS.
- Category 4B consists of impairments for which other pollution control requirements are expected to result in the attainment of the WQS in a reasonable period of time.
- Category 4C consists of impairments that are not caused by a pollutant and as such, do not require a TMDL.

Categories 4 and 5 of IDEM's Consolidated List together provide the most comprehensive assessment of impairment of Indiana waters to date. With each 303(d) listing cycle, U.S. EPA requests an update on the status of Indiana's Category 4 waters to facilitate tracking of all known impairments. These impairments and their current status are discussed in more detail in Attachment 3.

IDEM'S TMDL DEVELOPMENT SCHEDULE

The 303(d) list of Impaired Waters identifies waterbodies in Indiana that require a TMDL. The CWA does not clearly define the timeline for TMDL development. However, U.S. EPA's most recent guidance (U.S. EPA, 2005) recommends that states develop expeditious schedules of eight (8) to thirteen (13) years from the date of original listing. A schedule for TMDL development over the next two years was provided in Attachment 4 of the 303(d) list materials in Indiana's 2008 Integrated Report submission.

IDEM's long term TMDL development schedule is also provided in Attachment 4. IDEM uses this schedule to help guide TMDL development. However, this schedule may be modified in future cycles as necessary given new logistical efficiencies, the availability of data, and any resource and policy constraints or other limitations that may occur in the future.

It should be noted that U.S. EPA does not have approval authority for IDEM's TMDL development schedule. Rather, the two-year schedule and the long term TMDL development schedule provided are intended to help the public and U.S. EPA understand the state's priorities and assist IDEM in its planning.

⁵ For the development of Indiana's Consolidated List, IDEM follows, to the degree possible, the 305(b) and 303(d) reporting methods outlined in the U.S. EPA's *Guidance for 2006 Assessment, Listing and Reporting Requirements Pursuant to Sections 303(d), 305(b) and 314 of the Clean Water Act* (U.S. EPA, 2005) and the additional guidance provided in the U.S. EPA memorandum *Information Concerning 2010 Clean Water Act Sections 303(d), 305(b), and 314 Integrated Reporting and Listing Decisions* (U.S. EPA, 2009).

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